JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-Z32S2,
LT-Z32S2/A,
LT-Z32S2/S

BASIC CHASSIS
MK

D.I.S.T.
Digital Image Scaling Technology

CINEMA SURROUND



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No.YA020
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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		83.3 cm × 63.8 cm × 26.0 cm (Included stand) 83.3 cm × 56.9 cm × 9.7 cm (TV only)
Mass		22.0 kg (Included stand) 19.2 kg (TV only)
TV RF System		B, G, I, D, K, K1, M
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43 (NTSC:EXT only).
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF Low VHF High UHF CATV	46.25MHz ~ 168.25MHz 175.25MHz ~ 463.25MHz 471.25MHz ~ 855.25MHz Mid (X ~ Z+2, S1 ~ S10) / Super (S11 ~ S20) / Hyper (S21 ~ S41) bands
Intermediate Frequency	VIF SIF	38.0MHz (B, G, I, D, K, L) 32.26MHz (5.74MHz: B), 32.15MHz (5.85MHz: G), 31.45MHz (6.55MHz: I) 31.75MHz (6.25MHz: D), 32.15MHz (5.85MHz: K)
Colour Sub Carrier	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz
Power Input		AC110 - AC240 V, 50 Hz / 60 Hz
Power Consumption		177 W, [Standby: 2.3 W]
LCD panel		32V, aspect ratio 15:9
Screen Size		Diagonal : 80.2cm (H:41.2cm × V : 68.7cm)
Display Resolution		Horizonal : 1280 dots × Vertical : 768 dots (W-XGA)
Speaker		6.6 cm round × 2 (Oblique corn)
Audio Power Output		10 W + 10 W (Rated power output)
Aerial Input		75 Ω unbalanced, coaxial
Video / Audio Input-1/2/3/4	Component Video [Input-4] 1125i 625p / 525p 625i / 525i S-Video [Input-1/2] Video Audio	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin connector × 2 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 500mV (rms), High impedance, RCA pin jack × 8
Video / Audio Output	S-Video Video Audio	Mini-DIN 4 pin connector × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), Low impedance, RCA pin jack × 2
Headphone jack		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C1808 (UM-3/AA/R6 dry cell battery × 2)

Design and specifications subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the PDP voltage setting should be checked or adjusted.

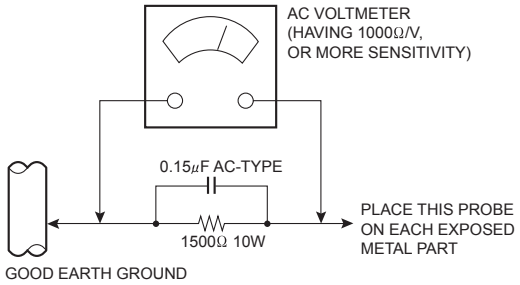
(6) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(7) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

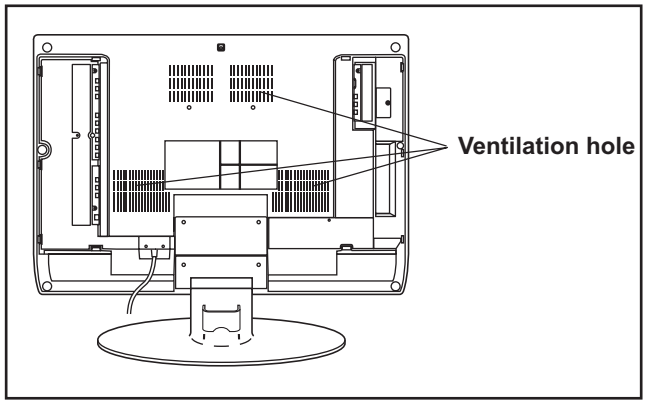
Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

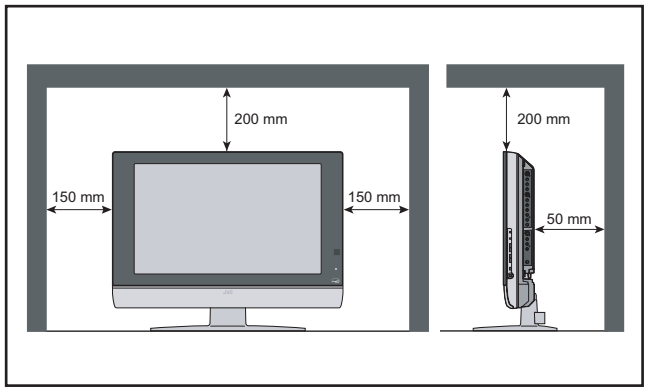
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.2.2 INSTALLATION REQUIREMENTS

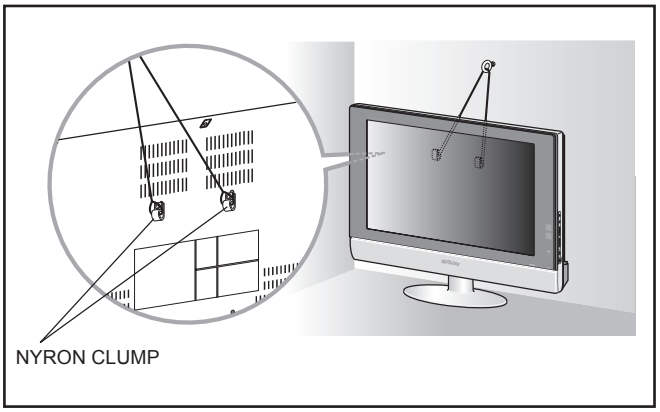
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.



1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

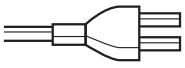
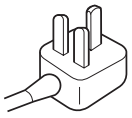
Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

1.4 MAIN DIFFERENCE LIST

⚠	Items	LT-Z32S2	LT-Z32S2/A	LT-Z32S2/S
⚠	POWER CORD	QMPK300-170-JC 	QMPG110-170-JC 	QMPN260-170-JC 

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

2.1.1 FUNCTION / CIRCUITS

- DIST (Digital Image Scaling Technology)
  Employs an interpolation method that doubles the scanning lines to realize 480-line flickerfree picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.
- DIGITAL VNR
  The DIGITAL VNR function cuts down the amount of noise in original picture. There are three function settings of AUTO,MIN and MAX.
- Super DigiPure
  This function uses the latest technology to give viewer a natural looking picture.
  It consist of DigiPure and picture motion compensation function.
- COLOUR MANAGEMENT
  This function ensures dull colours are compensated to produce natural hues.

2.2 TECHNICAL INFORMATION

2.2.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.2.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Maximum dimensions (W × H × D)	76.4cm × 46.5cm × 3.8cm	
Weight	8.0kg	
Effective screen size	Diagonal : 80.2cm (H:41.2cm × V : 68.7cm)	32V type
Aspect ratio	15:9	
Drive device/ system	a-Si-TFT, active matrix system	
Resolution	Horizontally 1280 × Vertically 768 × RGB <W-XGA>	2949120 dots in total
Pixel pitch (pixel size)	Horizontally:0.4425mm, Vertically:0.4425mm	
Displayed color	16777216 colors	256 colors for R, G, and B
Brightness	470cd/m^2	
Contrast ratio	500:1	
Response time	13ms	
View angle	Vertically 170°, horizontally 170°	
Surface Polarizer	Anti-Glare type	
Color Filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 16	
Power Supply Voltage in LCD	12V	
Power Supply Voltage in Backlight	1290V (rms)	

2.2.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

(1) BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

(2) DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

(3) FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.2.2 MAIN CPU PIN FUNCTION (IC001)

Pin No.	Pin Name	I/O	Remark
1	TCK	I	Test purpose
2	TMS	I	Test purpose
3	TDI	I	Test purpose
4	TDO	O	Test purpose
5	P2.8	I	Remote control input
6	P2.9	I	Mechanical power switch detection [Pushing:L]
7	P2.10	I	IP error detection [Detection:L]
8	P2.11	O	IP reset
9	P2.12	I	TV-LINK communication
10	P2.13	I	Power ON/OFF [ON:L]
11	P2.14	I	Low B protect detection [Detection:L]
12	P2.15	I	Power condition check [ON:L]
13	VSS33	I	GND
14	VDD33	I	3.3V
15	P4.5	O	TV-LINK communication
16	A20	O	Memory (Program ROM) address
17	A19	O	Memory (Program ROM) address
18	A18	O	Memory (Program ROM) address
19	A17	O	Memory (Program ROM) address
20	VSS25	I	GND
21	VDD25	I	2.5V
22	A16	O	Memory (Program ROM) address
23	A8	O	Memory (Program ROM) address
24	A7	O	Memory (Program ROM) address
25	A9	O	Memory (Program ROM) address
26	A6	O	Memory (Program ROM) address
27	A5	O	Memory (Program ROM) address
28	A10	O	Memory (Program ROM) address
29	A11	O	Memory (Program ROM) address
30	A12	O	Memory (Program ROM) address
31	VSS33	I	GND
32	VDD33	I	3.3V
33	A4	O	Memory (Program ROM) address
34	A3	O	Memory (Program ROM) address
35	A2	O	Memory (Program ROM) address
36	A1	O	Memory (Program ROM) address
37	A0	O	Memory (Program ROM) address
38	A13	O	Memory (Program ROM) address
39	RAS/A14	O	Memory (Program ROM) address
40	CAS/A15	O	Memory (Program ROM) address
41	VSS33	I	GND
42	VDD33	I	3.3V
43	MEMCLK	O	Clock for memory
44	CSSDRAM	O	Chip select for memory
45	CLKEN	O	Clock enable for memory
46	CSROM	O	Chip select for memory
47	RD	O	Read for memory
48	UDQM	O	Control IN/OUT buffer of Memory (IC003)
49	LDQM	O	Control IN/OUT buffer of Memory (IC003)
50	WR	O	Write for memory
51	D15	I/O	Data (Program ROM)
52	VSS33	I	GND
53	VDD33	I	3.3V
54	D7	I/O	Data (Program ROM)
55	D0	I/O	Data (Program ROM)
56	D14	I/O	Data (Program ROM)
57	D8	I/O	Data (Program ROM)
58	D6	I/O	Data (Program ROM)
59	D1	I/O	Data (Program ROM)
60	VSS33	I	GND
61	VDD33	I	3.3V
62	D13	I/O	Data (Program ROM)
63	D9	I/O	Data (Program ROM)
64	D5	I/O	Data (Program ROM)

Pin No.	Pin Name	I/O	Remark
65	D2	I/O	Data (Program ROM)
66	D12	I/O	Data (Program ROM)
67	D10	I/O	Data (Program ROM)
68	VSS33	I	GND
69	VDD33	I	3.3V
70	D4	I/O	Data (Program ROM)
71	D3	I/O	Data (Program ROM)
72	D11	I/O	Data (Program ROM)
73	RSTIN	I	Reset
74	P3.0	O	I^2C CLOCK 0 (for memory)
75	P3.1	I/O	I^2C DATA 0 (for memory)
76	P3.2	I	Remote control input
77	P3.3	I	Clock for OSD
78	P3.4	O	Tuner system switch
79	P3.5	O	Tuner system switch
80	P3.6	I	Teletext mode:H
81	P3.7	I	Power START
82	P3.8	I	Not used
83	P3.9	I	Picture mute
84	VSS33	I	GND
85	VDD33	I	3.3V
86	VSS25	I	GND
87	VDD25	I	2.5V
88	TXD0	O	Sub micro computer communication
89	RXD0	I	Sub micro computer communication
90	P3.12	I	Not used
91	P3.13	I/O	Not used
92	P3.15	I/O	Not used
93	P5.14(YS2)	I	Ys for EXT-2
94	P5.15	I	Headphone detection [Detection:L]
95	TRIG_IN	I/O	Not used
96	TRIG_OUT	I/O	Not used
97	P6.2	I	Not used
98	P6.3	O	I^2C bus clock for IC control
99	P6.4	I/O	I^2C bus data for IC control
100	P6.5	O	Multi-sound process reset
101	P6.6	I/O	I^2C bus data for IC control
102	VSYNC	O	Vertical sync for OSD
103	HSYNC	O	Horizontal sync for OSD
104	COR/RSTOUT	O	Not used
105	BLANK	O	Ys for OSD/Teletext
106	VDD33	I	3.3V
107	VSS33	I	GND
108	XTAL1	I	6MHz
109	XTAL2	O	6MHz
110	VSSA	I	GND
111	VDDA	I	Not used
112	R	O	R for OSD Teletext
113	G	O	G for OSD Teletext
114	B	I	B for OSD Teletext
115	VSSA	I	GND
116	VDDA	I	2.5V
117	CVBS2	I	Video for Teletext
118	VSSA	I	GND
119	VDDA	I	2.5V
120	CVBS1B	I	Video for Teletext
121	CVBS1A	I	Video for Teletext
122	VSSA	I	GND
123	VDDA	I	2.5V
124	P5.0	I	AFT for tuner
125	P5.1(KEY1)	I	Key scan data 1 [ON:H]
126	P5.2	I	AGC for tuner
127	P5.3(KEY2)	I	Key scan data 2 [ON:H]
128	TMODE	I	Test purpose

2.2.3 SUB CPU PIN FUNCTION (IC7807)

Pin No.	Pin name	I/O	Function
1	(SYSTEM0)	I	GND
2	(SYSTEM3)	I	GND
3	AVCC	-	5V
4	X2	-	Sub clock
5	X1	-	Sub clock
6	VCL	-	Internal down voltage
7	RES	I	Reset [Reset : L]
8	TEST	I	Operation test for SUB CPU
9	VSS	-	GND
10	OSC2	O	10MHz oscillation for system clock
11	OSC1	I	10MHz oscillation for system clock
12	VCC	-	5V
13	NC	O	Not used
14	NC	O	Not used
15	BL_D2	O	Back light 20ms delay for LCD panel [On:L]
16	BL_D1	O	Back light 10ms delay for LCD panel [On:L]
17	I2C_STOP	O	Not used
18	BL_ON	O	Back light reset for LCD panel [Reset:L]
19	NC	O	Not used
20	NC	O	Not used
21	NC	O	Not used
22	NC	O	Not used
23	SDA1	I/O	I^2C bus data (For Sub memory)
24	A.DIM	O	Not used
25	SCL1	O	I^2C bus clock (For Sub memory)
26	SDA0	I/O	I^2C bus data (For general)
27	SCL0	O	I^2C bus clock (For general)
28	NC	O	Not used
29	NC	O	Not used
30	NC	O	Not used
31	NC	O	Not used
32	NC	O	Not used
33	NC	O	Not used
34	NC	O	Not used
35	NMI	I	Port for writing on board [Writning:L]
36	NC	O	Not used
37	(HD)	I	Not used
38	NC	O	Not used
39	(REMO)	I	Not used
40	NC	O	Not used
41	P85	-/I	Not used
42	P86	-	Not used
43	P87	-	Not used
44	SCK3	O	Port for writing on board
45	RXD	I	Port for writing on board
46	TXD	O	Port for writing on board
47	(PROTECTOR0)	I	Not used
48	NC	O	Not used
49	RXD2	I	Port for communication (Main CPU)
50	TXD2	O	Port for communication (Main CPU)
51	NC	O	Not used
52	(ACTIVE)	I	Not used
53	VD	I	Vertical sync
54	(REC_DET)	I	Not used
55	(PSS)	I	Not used
56	(ALARM)	I	Not used
57	(SYSTEM2)	I	Not used
58	(SYSTEM1)	I	Not used
59	(PROTECTOR1)	I	Not used
60	(AMP_PRO2)	I	Not used
61	(AMP_PRO1)	I	Not used
62	EE_CDS	I	Not used
63	(KEY_IN1)	I	Not used
64	(KEY_IN2)	I	Not used

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

NOTE:

Since this model adopts a layer structure, follow the procedure below in disassembling this model.
Be careful enough not to damage or scratch parts.

3.1.1 REMOVING THE STAND

(1) Remove the 2 screws [A], and remove the STAND COVER.
(2) Remove the 4 screws [B], and remove the STAND.

3.1.2 REMOVING THE REAR COVER

- Remove the STAND.

(1) Remove the JACK COVER (L/R).
(2) Remove the 7 screws [C], 3 screws [D], and 2 screws [E] (12 screws in total).
(3) Remove the REAR COVER.

3.1.3 REMOVING THE REGULATOR PWB / COOLING FAN

- Remove the STAND.
- Remove the REAR COVER.

(1) Pull out the wire of COOLING FAN.
(2) Remove the 5 screws [F], and remove the FAN BRACKET.
(3) Remove the 2 screws [Y], and remove the COOLING FAN.
(4) Remove the REGULATOR PWB.

3.1.4 REMOVING THE RECEIVER PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 2 screws [G] and 3 screws [H] (5 screws in total). Then, remove the TERMINAL BASE.
(2) Remove the 6 screws [J], and remove the RECEIVER PWB.

3.1.5 REMOVING THE FRONT CONTROL PWB CONTROL / FRONT SENSOR PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screws [K], and remove the CONTROL KNOB.
(2) Remove the 2 screws [L], and remove the FRONT CONTROL PWB.
(3) Remove the FRONT SENSOR PWB.

3.1.6 REMOVING THE VIDEO PWB / MI-COM & DIST MODULE PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 9 screw [M] and remove the VIDEO PWB SHIELD.
(2) Remove the 2 screw [N] and remove the JACK BASE.
(3) Remove the 2 screws [P], and remove the VIDEO PWB.
(4) Remove the 3 screws [R], and remove the VIDEO PWB BRACKET.
(5) Remove the 4 screws [S], and remove the MI-COM & DIST MODULE PWB form the VIDEO PWB BRACKET.

3.1.7 REMOVING THE POWER PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
- Remove the RECEIVER PWB.

(1) Remove the 4 screws [T], and remove the RECEIVER PWB BRACKET.
(2) Remove the 1 screw [U], and remove the POWER CORD HOLDER.
(3) Remove the 5 screws [V], and 1 screw [W] . Then, remove the POWER PWB.
(4) Remove the 4 screws [X], and remove the CHASSIS BASE.

3.1.8 REMOVING THE TUNER PWB / MSP PWB

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screws [Q], and remove the TUNER PWB BASE.
(2) Remove the 4 screws [Z], and remove the TUNER PWB and MSP PWB.

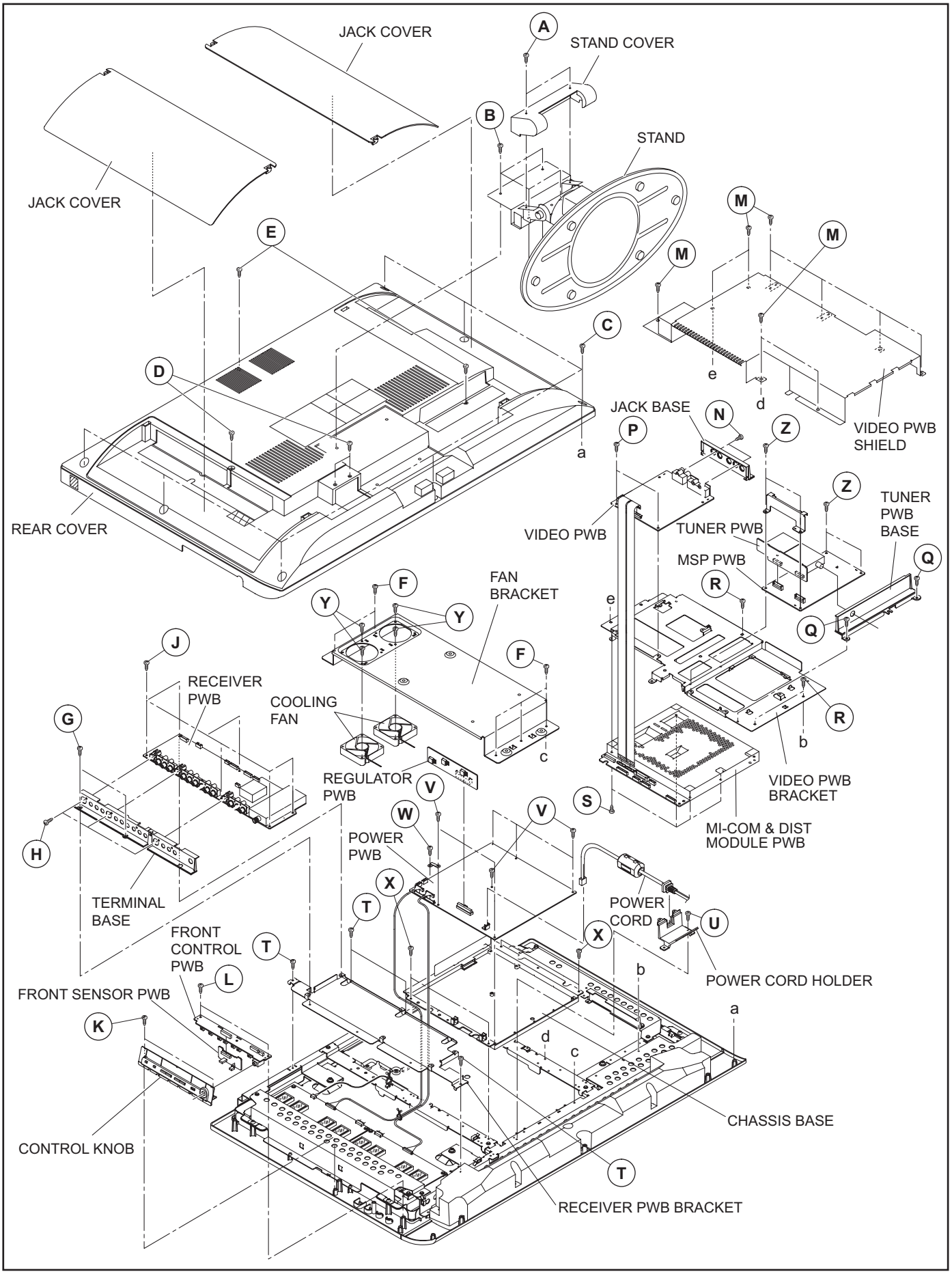

JACK COVER
A
STAND COVER
B
STAND
JACK COVER
E
M
M
M
C
D
e
d
a
JACK BASE
N
P
Z
VIDEO PWB
SHIELD
Z
TUNER
PWB
BASE
REAR COVER
VIDEO PWB
TUNER PWB
MSP PWB
Q
R
Q
F
FAN
BRACKET
Y
Y
e
J
F
RECEIVER
PWB
COOLING
FAN
G
c
R
b
REGULATOR
PWB
V
VIDEO PWB
BRACKET
S
W
V
MI-COM & DIST
MODULE PWB
POWER
PWB
H
X
POWER
CORD
U
T
TERMINAL
BASE
X
FRONT
CONTROL
PWB
T
b
POWER CORD HOLDER
L
FRONT SENSOR PWB
a
K
d
c
CHASSIS BASE
CONTROL KNOB
T
RECEIVER PWB BRACKET

Fig.1

3.1.9 REMOVING THE SPEAKER

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 5 screws [a], and remove the SPEAKER BOX.
  (2) Remove the 4 screws [b], and remove the SPEAKER (L / R).
  (3) Remove the 4 screws [c], and remove the DUCT(L/R).

NOTE:

Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.

3.1.10 REMOVING THE LCD PANEL UNIT

- Remove the STAND.
- Remove the REAR COVER.
- Remove the POWER CORD.
- Remove the RECEIVER.
- Remove the FRONT CONTROL PWB.
- Remove the FRONT SENSOR PWB.
- Remove the VIDEO PWB.
- Remove the DIGITAL INPUT MODULE PWB.
- Remove the MI-COM & DIST MODULE PWB.
- Remove the POWER PWB.
  (1) Remove the 3 screws [d], the 2 screws [e] and the 2 screws [f] (7 screws in total). Then, remove the FRAME(R).
  (2) Remove the 3 screws [g], and the 2 screws [h] (4 screws in total). Then, remove the FRAME (L).
  (3) Remove the 3 screws [j]. Then, remove the CENTER FRAME.
  (4) Remove the 2 screws [k] and the 1 screw [m] (3 screws in total). Then, remove the TOP FRAME.
  (5) Remove the 4 screws [n], and the 2 screws [p] (6 screws in total). Then, remove the BOTTM FRAME.
  (6) Remove the 8 screws [r]. Then, remove the TOP INVERTER UNIT and BOTTOM INVERTER UNIT.
  (7) Remove the 1 screw [q]. Then, remove the LCD PANEL UNIT.

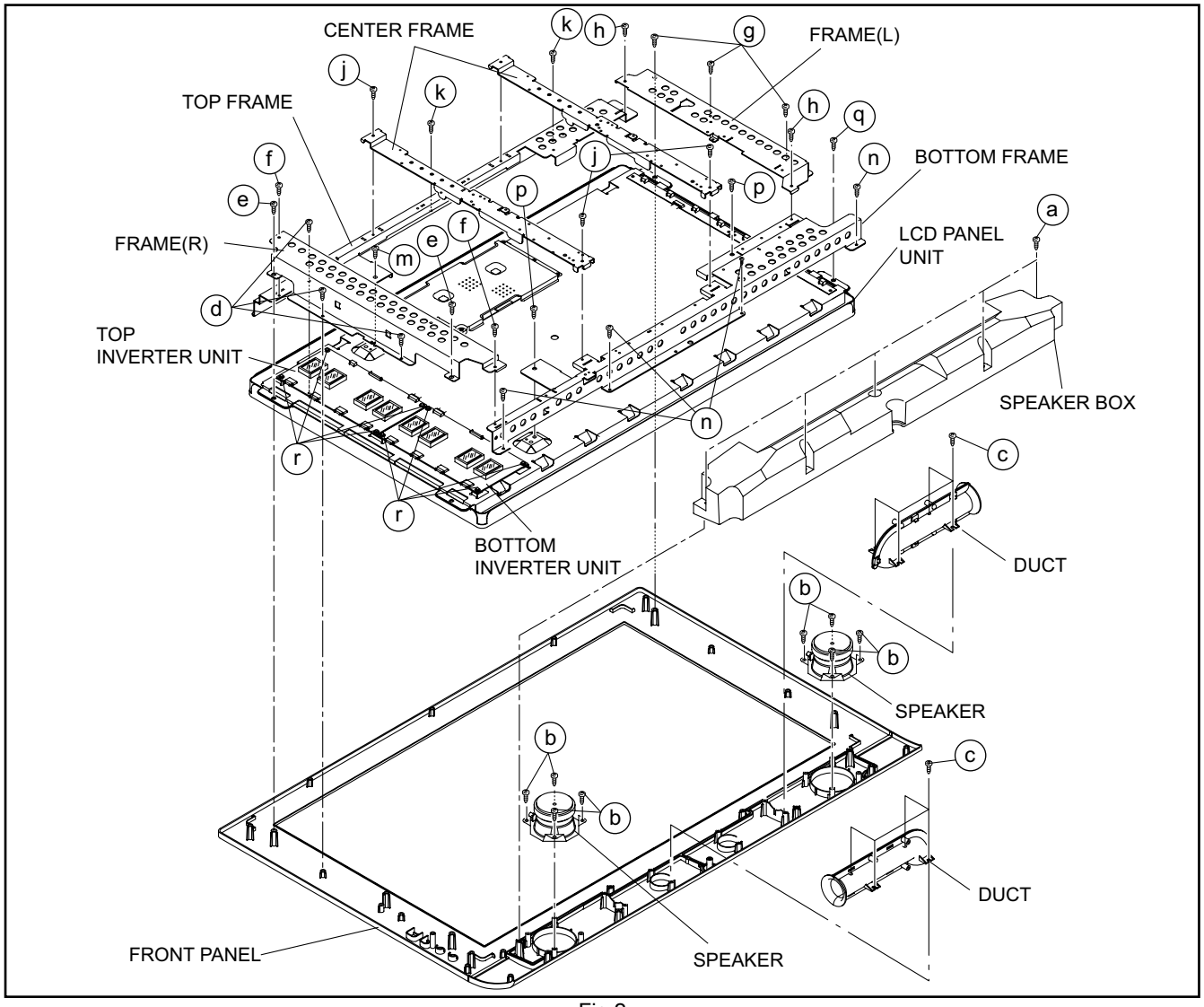


Fig.2

3.2 REPLACEMENT OF MEMORY IC

This unit uses the nonvolatile memory IC.The memory IC memories data for video and deflection circuits. To replace the memory IC without the data written, malfunctions might occurred while power is on, and the normal image might not appear. When replacing the memory IC, be sure to use the IC written with the initial values of data.

3.2.1 PROCEDURE FOR REPLACING THE MEMORY IC

(1) Switch the power off and unplug the power cord from the wall outlet.
(2) Replacing the memory IC. [Be sure to use the IC written with the initial values of data]
(3) Plug the power cord into the wall outlet and switch the power on.
(4) Check and setting of SYSTEM CONSTANT SET
  a) Press the [INFORMATION] key and [MUTING] key on the remote control unit simultaneously.
  The SERVICE MENU screen will be displayed. (See Fig.1)
  b) In the SERVICE MENU, press the [INFORMATION] key and [MUTING] key simultaneously.
  Then, the SYSTEM CONSTANT SET screen will be displayed. (See FIg.2)
  c) Check whether the setting value of the SYSTEM CONSTANT SET is the same as these indicated in Table 1.
  d) Press the [INFORMATION] key twice to return to the normal screen.
(5) Receive channel setting
  Refer to the OPERATING INSTRUCTIONS and set the receive channels.
(6) User setting
  Memories the user setting items.The [USER SETTINGS OF MENU] setting is as next page.
(7) Setting of SERVICE MENU
  Check the setting items in the SERVICE MENU, set if necessary.For setting method, please refer to the [ADJUSTMENT PREPARATION] to [ADJUSTMENT PROCEDURE] of ADJUSTMENT section.

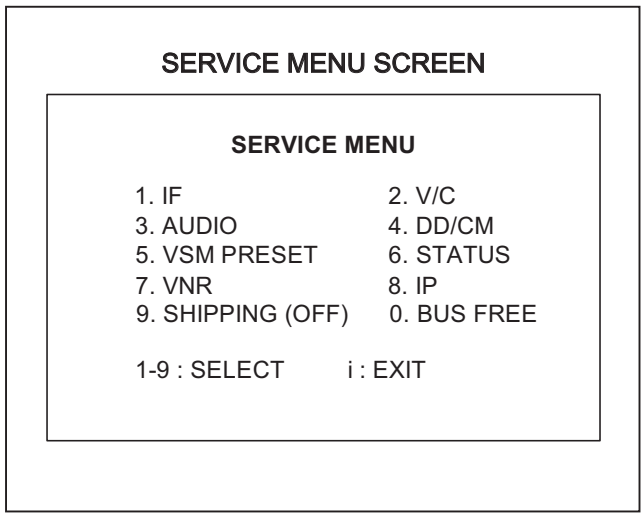


Fig.1

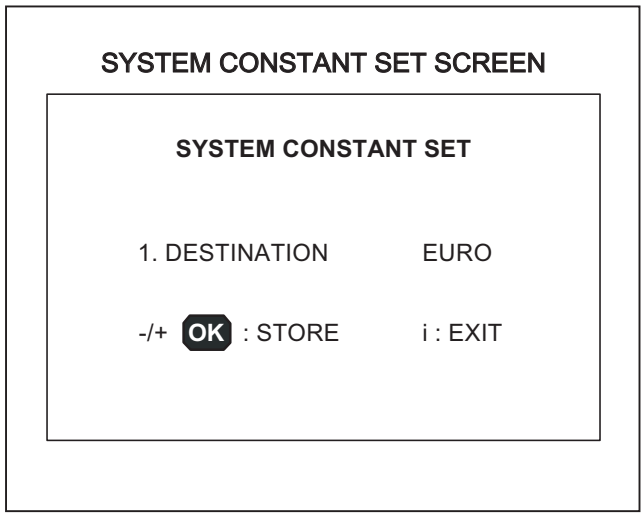


Fig.2

3.2.2 SETTING OF THE SYSTEM CONSTANT SET

Setting item	Setting content	Setting value
DESTINATION	ASIA / EURO	ASIA

Table 1

3.2.3 FACTORY SHIPMENT SETTING

3.2.3.1 USER SETTING OF SWITCHS ON REMOTE CONTROL UNIT

Setting item	Setting value
POWER	OFF
CHANNEL	PR1
PRESET CHANNEL	Refer to OPERATION INSTRUCTIONS
VOLUME	10
ZOOM	PANORAMIC
3D SOUND	OFF

Table 2

3.2.3.2 USER SETTINGS OF MENU

Setting item		Setting value	Setting item		Setting value
POWER		OFF	**SOUND SETTING**		
CHANNEL		PR1	BASS		Centre
			TREBLE		Centre
PRESET CHANNEL		Refer to OPERATING INSTRUCTIONS	BALANCE		Centre
			SPEAKER		ON
VOLUME		10	BBE		ON
PICTURE SETTING			3D SOUND		OFF
PICTURE MODE		BRIGHT	A. H. B		ON
COLOUR TEMP.		COOL	HEADPHONE	VOLUME	20
				TV SPEAKER	OFF
				OUTPUT	MAIN
PICTURE FEATURES			**EXT SETTING**		
DIGITAL VNR		AUTO	S-IN		---
Super DigiPure		AUTO	ID LIST		---
COLOUR SYSTEM	TV	Depends on PR/CH	DUBBING		EXT-1 → EXT-2
	EXT	AUTO	**FEATURES**		
MOVIE THEATRE		AUTO	SLEEP TIMER		OFF
4:3 AUTO ASPECT		PANORAMIC	BLUE BACK		ON
COLOUR MANAGEMENT		ON	CHILD LOCK / CHANNEL GUARD SET ID NO		0000
PIP POSISION		Right below	**INSTALL**		
ZOOM		PANORAMIC	LANGUAGE		ENGLISH
			AUTO PROGRAM		GROUP-1
			EDIT/MANUAL		Only for preset channels

Table 3

3.2.3.3 VSM PRESET SETTING

Item No.	Item	Variable range	Setting value					
			PICTURE MODE			COLOUR TEMP.		
			BRIGHT	STD	SOFT	COOL	NORMAL	WARM
1	CONT	-16~16	8	0	0	-	-	-
2	BRIGHT	-16~16	-4	0	0	-	-	-
3	SHARP	-16~16	3	0	-2	-	-	-
4	COLOUR	-16~16	0	0	0	-	-	-
5	TINT	-16~16	0	0	0	-	-	-
6	B. LIGHT	-16~16	16	16	-8	-	-	-
1	WDR R	-64~63	-	-	-	0	0	0
2	WDR G	-64~63	-	-	-	4	0	-18
3	WDR B	-64~63	-	-	-	22	0	-16

Table 4

3.2.3.3.1 SETTING OF VSM PRESET

(1) Enter "5.VSM PRESET" from the SERVICE MENU.
(2) Press the [OK] key to select BRIGHT/STD/SOFT/COOL/NORMAL/WARM mode.
(3) Select the setting item using the [FUNCTION (▲/▼)] key.
(4) Set the value using the [FUNCTION (+/-)] key.
(5) Press the [OK] key to memorize the set value.
(6) Press the [INFORMATION] key twice to return to the normal screen.

3.2.3.4 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1.IF	1.VCO 2.ATT ON/OFF	6.STATUS	**(Do not adjust)**
2.V/C	1.CUT OF R 2.CUT OF G 3.CUT OF B 4.DRIVE R 5.DRIVE G 6.DRIVE B 7.TWN HI R 8.TWN HI B 9.BRIGHT 10.CONT 11.TWN BRG 12.TWN CNT 13.COLOUR 14.HUE 15.BY GAIN 16.TWN COL 17.TWN TNT 18.B OF MR 19.B OF MB 20.B OF SR 21.B OF SB 22.M BOFST 23.M ROFST S01 ~ S99 A01 ~ A17 PDA01 ~ PDA12	7.VNR **(Do not adjust)**	1.MYLV 2.ONMVF 3.MYCOR 4.MYGA 5.YEGON 6.YEGL 7.YLTL 8.MCLV 9.MCGA 10.MCCOR 11.CLTL 12.YNGA 13.COR_OF 14.LPF_OF 15.YCTL 16.YNCL 17.YNCON
3.AUDIO **(Do not adjust)**	1.ERROR LIMIT 2.A2 ID THR 3.Q-PEAK 4.SOUND LEVEL / SOUND SYSTEM B/G	8.IP **(Do not adjust)**	PPA001 ~ PPA008 PPB001 ~ PPB036 PPC001 ~ PPC007 ADS001 ~ ADS034 IPA001 ~ IPA120 IPB001 ~ IPB088 IPC001 ~ IPC044 IPD001 ~ IPD058
4.DD/CM	DDT01 ~ DDT34 CMT01 ~ CMT57		
5.VSM PRESET	PICTURE MODE 1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.TINT 6.B. LIGHT COLOUR TEMP. 1.WDR R 2.WDR G 3.WDR B	9.SHIPPING(OFF)	**(Do not use under the adjustment)**

Table 5

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

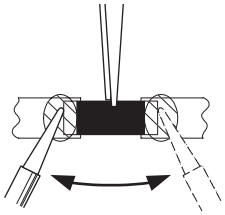
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

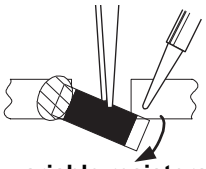
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.

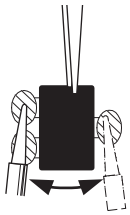


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



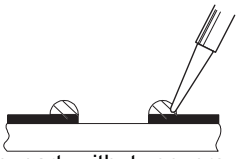
NOTE :

After removing the part, remove remaining solder from the pattern.

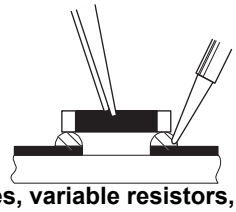
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

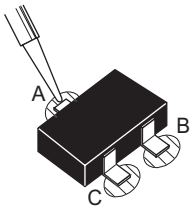


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

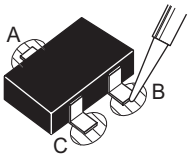


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

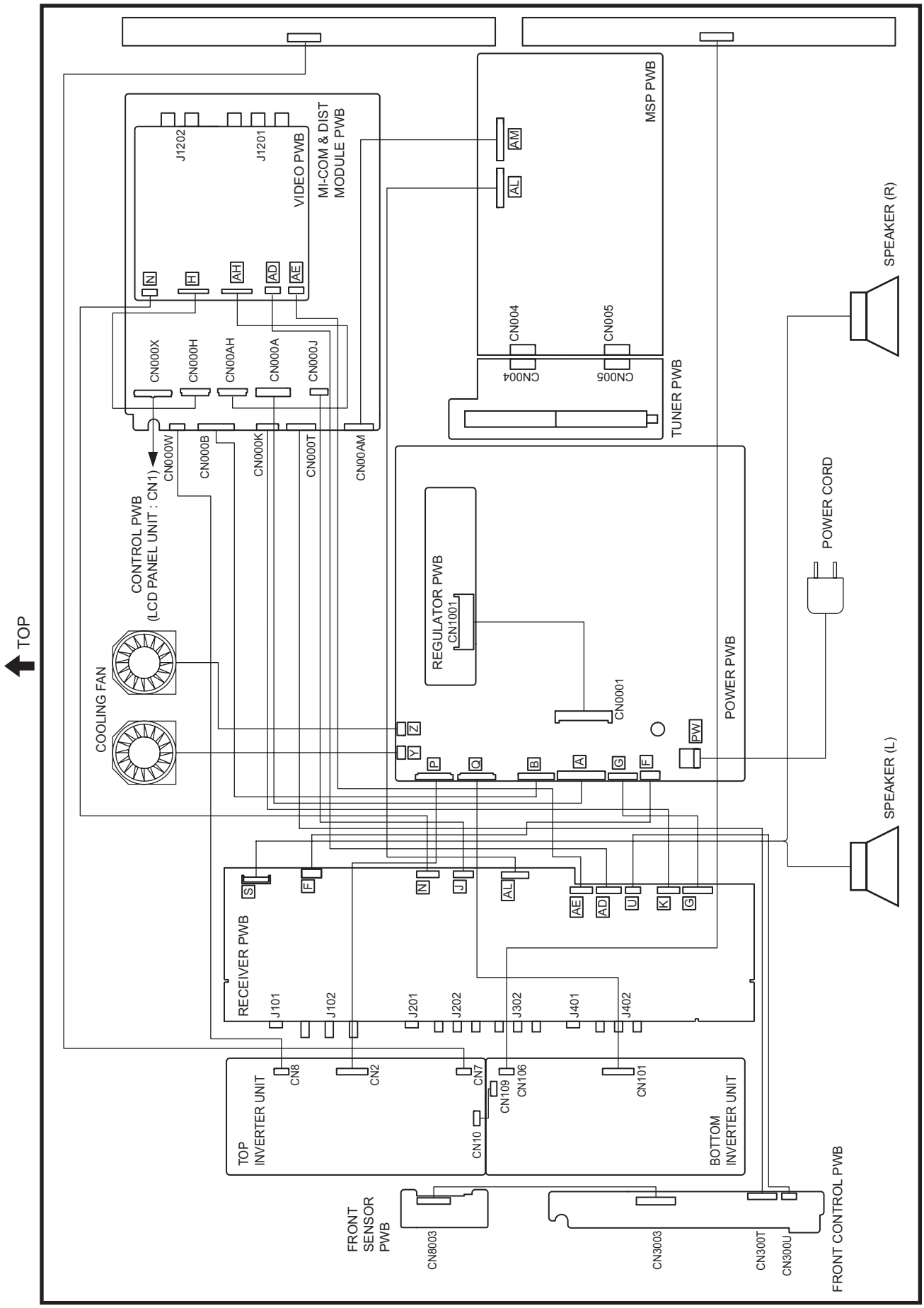
(1) Prior to the following procedure, be sure to connect the receiver unit and the display unit.
(2) Adjustment of many Majority of the adjustment items for this unit is performed using the remote control.
(3) However, adjustment of some adjustment items is performed in the conventional way, i.e. with components on the boards.
(4) Ensure that the power supply is AC220V.
(5) Allow the set and the measuring devices to run for at least 30 minutes.
(6) Do not alter settings of items/preset values on the service screen that are not stated in this manual.
(7) Unless otherwise stated in the “ADJUSTMENT PROCEDURE” section, follow the settings for the features stated below using the remote control.

Setting item	Settings
PICTURE MODE	STANDARD
PICTURE adjustment	All center (00)
WHITE BALANCE	MID
DIGITAL VNR	MIN
Super Digi Pure	AUTO
PULL DOWN	AUTO
COLOUR MANAGEMENT	ON
SOUND adjustment	All center (00)
BBE	OFF
CINEMA SURROUND	OFF
AHB	OFF
SPEAKER	ON
ZOOM	FULL

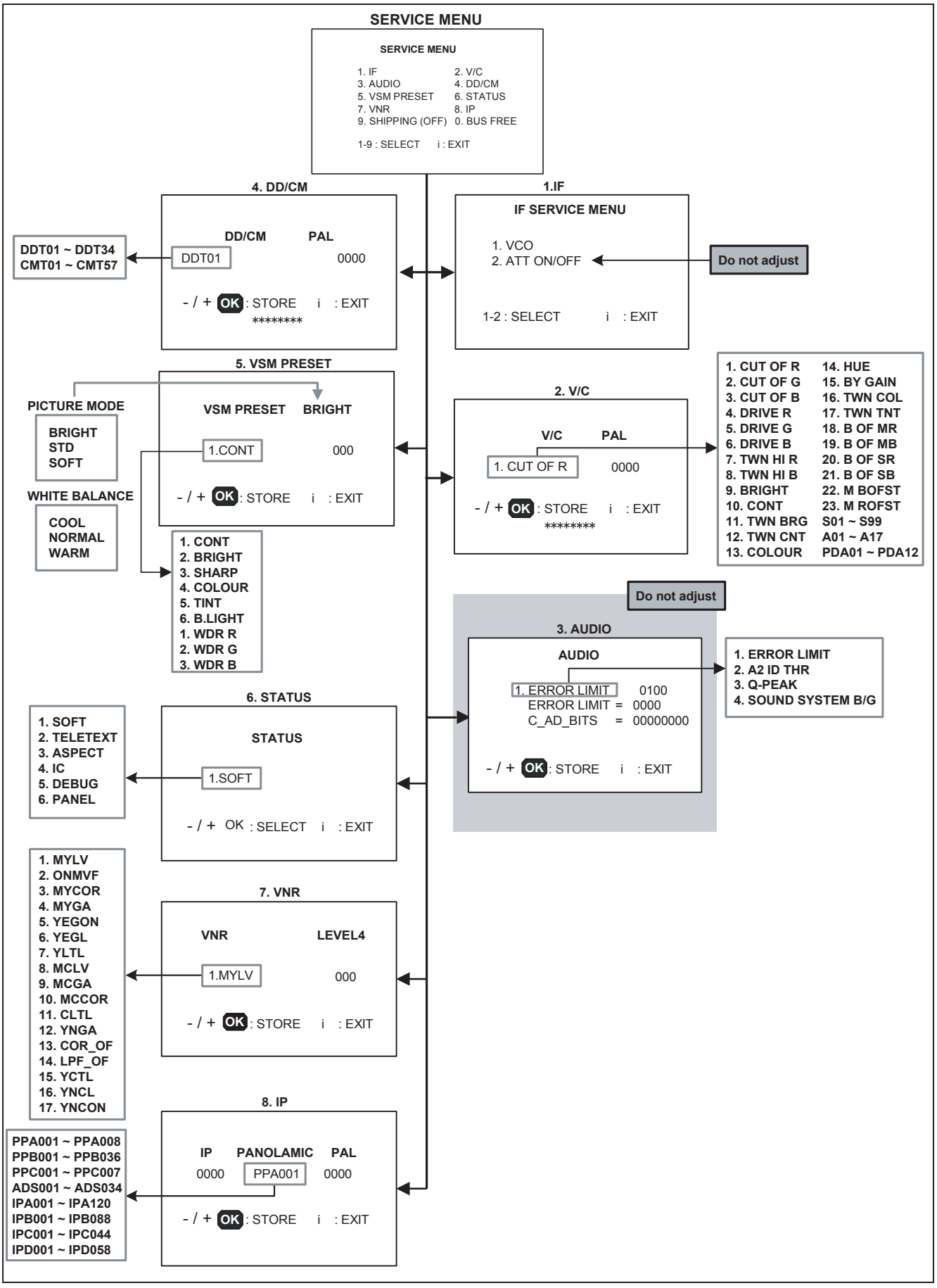
4.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator)
- Remote control unit

4.3 ADJUSTMENT LOCATION & WIRING



4.4 SERVICE MENU SCREEN



4.5 BASIC OPERATION OF THE SERVICE MENU MODE [USING REMOTE CONTROL UNIT]

4.5.1 TOOLS OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the remote control unit.

4.5.2 HOW TO ENTER THE SERVICE MENU MODE

(1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.4 will be displayed.
(2) When the Main Menu is displayed, press any key of the [1] to [0] key to enter the corresponding menu mode.
*Press any of the [1] to [0] keys before the Service Menu mode disappears.
(3) Select the service item using the [FUNCTION (▲/▼)] key.
(4) Set the value using the [FUNCTION (◀/▶)] key.
(5) Press the [OK] key to save the value.

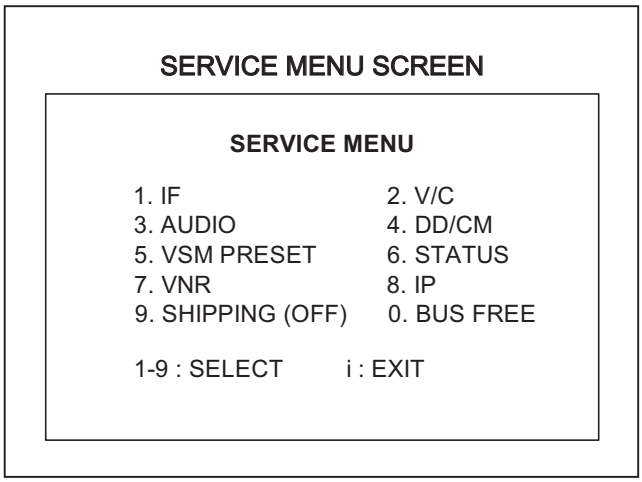


Fig.4

4.5.3 HOW TO EXIT THE SERVICE MENU MODE

Press the [INFORMATION] key to exit the Service Menu mode.

4.5.4 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT

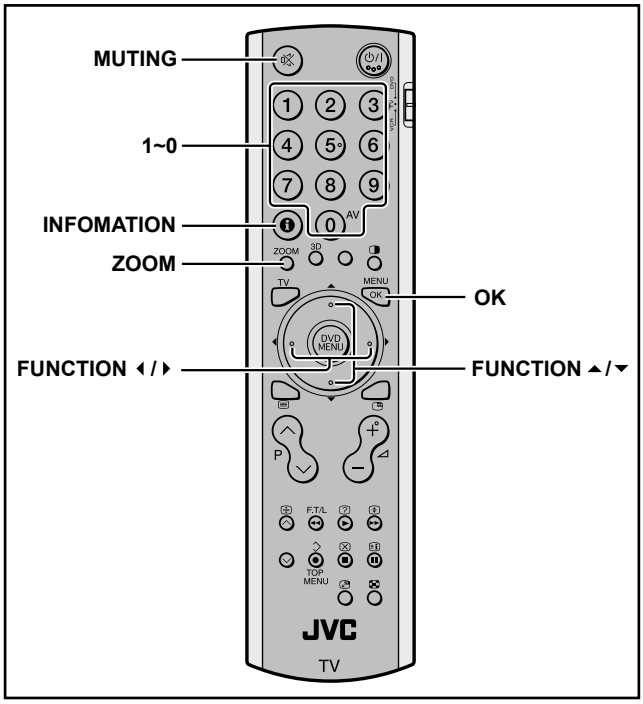


Fig.5

4.5.5 SETTINGS OF THE SERVICE MENUS

1. IF (VCO adjustment, ATT setting)
[Do not adjust]

2. V/C (VIDEO setting)
[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the video circuit.
- [Function (▲/▼)] key
  For scrolling up/down the setting items.
- [Function (◀/▶)] key
  For scrolling up/down the setting values.

3. AUDIO (SOUND setting)
[Do not adjust]

4. DD/CM (Panel picture processing setting)
[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the deflection circuit.
- [Function (▲/▼)] key
  For scrolling up/down the setting items.
  DDT01··· ↔ CMT01···
- [Zoom (red)] key
  For switching to the next item.
  DDT01 ⟶ CMT01 ⟶
- [Function (◀/▶)] key
  For scrolling up/down the setting values.

5. VSM PRESET (PICTURE preset setting)
[Refer to page VSM PRESET SETTING.]

6. STATUS
(The version of software, the aspect, and the state of debugging are displayed.)
[Setting for this item is not required in servicing]

7. VNR (Noise reduction setting)
[Do not adjust]
Sets output data to the digital noise reduction circuit.

8. IP (DIST setting)
[Do not adjust]
Sets output data to the DIST circuit.

9. SHIPPING (OFF)
[Setting for this item is not required in servicing]

10. BUE FREE
[Setting for this item is not required in servicing]

4.6 DEFAULT VALUES IN THE SERVICE MENU SETTING MODE

- Perform fine-tuning based on the "default values" using the remote control when in the SERVICE MENU setting mode.
- The "default values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 [2. V/C]

4.6.1.1 VIDEO SYSTEM

Item No.	Item	Variable range	Setting value								
			TV		VIDEO-1 / 2 / 3			VIDEO-4			
			PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1	CUT OF R	0000~0255	0088	←	←	←	←	0000	←	←	←
2	CUT OF G	0000~0255	0101	←	←	←	←	0000	←	←	←
3	CUT OF B	0000~0255	0106	←	←	←	←	0000	←	←	←
4	DRIVE R	0000~0255	0129	←	←	←	←	0000	←	←	←
5	DRIVE G	0000~0255	0112	←	←	←	←	0000	←	←	←
6	DRIVE B	0000~0255	0110	←	←	←	←	0000	←	←	←
7	TWIN HI R	0000~0127	0071	←	←	←	←	0000	←	←	←
8	TWIN HI B	0000~0127	0068	←	←	←	←	0000	←	←	←
9	BRIGHT	0000~0255	0013	←	←	←	←	0000	←	←	←
10	CONT	0000~0015	0006	←	←	←	←	0000	←	←	←
11	TWN BRG	0000~0127	0080	←	←	←	←	-002	←	0000	←
12	TWN CNT	0000~0015	0008	←	←	←	←	0000	←	←	←
13	COLOUR	0000~0015	0007	←	0000	←	0007	0000	←	←	←
14	HUE	0000~0063	0000	←	0034	←	←	0000	←	←	←
15	BY GAIN	0000~0063	0043	←	0000	←	0043	0000	←	←	←
16	TWN COL	0000~0015	0008	←	0002	←	0008	0002	←	←	←
17	TWN TNT	0000~0063	0034	←	0000	←	0034	0000	←	←	←
18	B OF MR	0000~0015	0008	←	←	←	←	←	←	←	←
19	B OF MB	0000~0015	0008	←	←	←	←	←	←	←	←
20	B OF SR	0000~0015	0008	←	←	←	←	←	←	←	←
21	B OF SB	0000~0015	0008	←	←	←	←	←	←	←	←
22	M BOFSET	0000~0007	0000	←	←	←	←	←	←	←	←
23	M ROFSET	0000~0007	0000	←	←	←	←	←	←	←	←

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S01	COLOUR	0000~0255	0138	0138	0148
S02	HUE	-128~0127	0000	0000	0000
S03	(NO DISPLAY)	-128~0127	0000	0000	0000
S04	(NO DISPLAY)	-128~0127	0000	0000	0000
S05	BRIGHT	0000~0255	0052	0052	0058
S06	CONT	0000~0255	0128	0128	0128
S07	(NO DISPLAY)	-128~0127	0000	0000	0000
S08	(NO DISPLAY)	-128~0127	0000	0000	0000
S09	(NO DISPLAY)	0000~0255	0140	0140	0138
S10	(NO DISPLAY)	-128~0127	0000	0000	0000
S11	(NO DISPLAY)	-128~0127	0006	0006	0006
S12	(NO DISPLAY)	0000~0003	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S13	R GAIN	0000~0255	0255	0255	0255
S14	(NO DISPLAY)	-128~0127	0000	0000	0000
S15	G GAIN	0000~0255	0228	0228	0228
S16	(NO DISPLAY)	-128~0127	0000	0000	0000
S17	B GAIN	0000~0255	0220	0220	0220
S18	(NO DISPLAY)	-128~0127	0000	0000	0000
S19	(NO DISPLAY)	0000~0255	0128	0128	0128
S20	(NO DISPLAY)	-128~0127	0000	0000	0000
S21	(NO DISPLAY)	0000~0255	0128	0128	0128
S22	(NO DISPLAY)	-128~0127	0000	0000	0000
S23	(NO DISPLAY)	0000~0255	0128	0128	0128
S24	(NO DISPLAY)	-128~0127	0000	0000	0000
S25	(NO DISPLAY)	0000/0001	0000	0000	0000
S26	(NO DISPLAY)	0000/0001	0000	0000	0000
S27	(NO DISPLAY)	0000/0001	0000	0000	0000
S28	(NO DISPLAY)	0000/0001	0000	0000	0000
S29	(NO DISPLAY)	0000/0001	0000	0000	0000
S30	(NO DISPLAY)	0000~0031	0000	0000	0000
S31	(NO DISPLAY)	0000~0063	0002	0002	0002
S32	(NO DISPLAY)	0000~0063	0019	0019	0018
S33	(NO DISPLAY)	0000/0001	0001	0001	0001
S34	(NO DISPLAY)	0000/0001	0001	0001	0001
S35	(NO DISPLAY)	0000/0001	0000	0000	0000
S36	(NO DISPLAY)	0000~0031	0000	0000	0000
S37	(NO DISPLAY)	0000~0255	0220	0220	0220
S38	(NO DISPLAY)	0000~0063	0050	0050	0050
S39	(NO DISPLAY)	0000~0063	0060	0060	0060
S40	(NO DISPLAY)	0000/0001	0001	0001	0001
S41	(NO DISPLAY)	0000/0001	0001	0001	0001
S42	(NO DISPLAY)	0000~0003	0001	0001	0001
S43	(NO DISPLAY)	0000~0031	0009	0009	0009
S44	(NO DISPLAY)	0000~0003	0001	0001	0001
S45	(NO DISPLAY)	0000~0003	0002	0002	0002
S46	(NO DISPLAY)	0000~0015	0015	0015	0015
S47	(NO DISPLAY)	0000~0015	0015	0015	0015
S48	(NO DISPLAY)	0000~0015	0015	0015	0015
S49	(NO DISPLAY)	0000/0001	0000	0000	0000
S50	(NO DISPLAY)	0000~0255	0002	0002	0002
S51	(NO DISPLAY)	0000/0001	0000	0000	0000
S52	(NO DISPLAY)	0000~0255	0076	0076	0076
S53	(NO DISPLAY)	0000/0001	0000	0000	0000
S54	(NO DISPLAY)	0000~0255	0006	0006	0006
S55	(NO DISPLAY)	0000/0001	0000	0000	0000
S56	(NO DISPLAY)	0000~0255	0094	0094	0094
S57	(NO DISPLAY)	0000~0255	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S58	(NO DISPLAY)	0000~0015	0000	0000	0000
S59	(NO DISPLAY)	0000~0255	0000	0000	0000
S60	(NO DISPLAY)	0000~0015	0000	0000	0000
S61	(NO DISPLAY)	0000/0001	0001	0001	0001
S62	(NO DISPLAY)	0000~0127	0016	0016	0016
S63	(NO DISPLAY)	0000/0001	0000	0000	0000
S64	(NO DISPLAY)	0000~0127	0000	0000	0000
S65	(NO DISPLAY)	0000~0003	0002	0002	0002
S66	(NO DISPLAY)	0000~0003	0001	0001	0001
S67	(NO DISPLAY)	0000~0003	0002	0002	0003
S68	(NO DISPLAY)	0000~0015	0000	0000	0000
S69	(NO DISPLAY)	0000~0063	0019	0019	0019
S70	(NO DISPLAY)	0000/0001	0001	0001	0001
S71	(NO DISPLAY)	0000~0255	0255	0255	0255
S72	(NO DISPLAY)	0000~0255	0255	0255	0255
S73	(NO DISPLAY)	0000~0255	0255	0255	0255
S74	(NO DISPLAY)	0000~0031	0000	0000	0000
S75	(NO DISPLAY)	0000~0031	0000	0000	0000
S76	(NO DISPLAY)	-128~0128	0000	0000	0000
S77	(NO DISPLAY)	-128~0128	0000	0000	0000
S78	(NO DISPLAY)	0000~0255	0255	0255	0255
S79	(NO DISPLAY)	0000~0255	0000	0000	0000
S80	(NO DISPLAY)	0000~0255	0255	0255	0255
S81	(NO DISPLAY)	0000~0255	0000	0000	0000
S82	(NO DISPLAY)	0000~0255	0255	0255	0255
S83	(NO DISPLAY)	0000~0255	0000	0000	0000
S84	(NO DISPLAY)	0000~0255	0143	0143	0143
S85	(NO DISPLAY)	0000~0255	0255	0255	0255
S86	(NO DISPLAY)	0000~0255	0255	0255	0255
S87	(NO DISPLAY)	0000~0003	0003	0003	0003
S88	(NO DISPLAY)	0000~0007	0000	0000	0000
S89	(NO DISPLAY)	0000~0255	0000	0000	0000
S90	(NO DISPLAY)	0000~0127	0000	0000	0000
S91	(NO DISPLAY)	0000~0007	0007	0007	0007
S92	(NO DISPLAY)	0000~0031	0031	0031	0031
S93	(NO DISPLAY)	0000~0007	0007	0007	0007
S94	(NO DISPLAY)	0000~0031	0031	0031	0031
S95	(NO DISPLAY)	0000~0255	0060	0060	0055
S96	(NO DISPLAY)	0000~0015	0004	0004	0006
S97	(NO DISPLAY)	0000~0063	0040	0040	0040
S98	(NO DISPLAY)	0000~0063	0000	0000	0000
S99	(NO DISPLAY)	0000~0063	0000	0000	0000

4.6.1.2 AUDIO SYSTEM

Item No.	Item	Variable range	Setting value
A01	(NO DISPLAY)	0000~0007	0001
A02	(NO DISPLAY)	0000~0007	0001
A03	(NO DISPLAY)	0000~0007	0001
A04	(NO DISPLAY)	0000~0007	0000
A05	(NO DISPLAY)	0000~0009	0003
A06	(NO DISPLAY)	0000~0015	0004
A07	(NO DISPLAY)	0000~0015	0006
A08	(NO DISPLAY)	0000~0015	0003
A09	(NO DISPLAY)	0000~0007	0006
A10	(NO DISPLAY)	0000~0007	0004
A11	(NO DISPLAY)	0000~0063	0063
A12	(NO DISPLAY)	0000~0063	0063
A13	(NO DISPLAY)	0000~0003	0000
A14	(NO DISPLAY)	0000~0007	0000
A15	(NO DISPLAY)	0000~0003	0000
A16	(NO DISPLAY)	0000~0003	0000
A17	(NO DISPLAY)	0000~0003	0000

Item No.	Item	Variable range	Setting value
PDA01	(NO DISPLAY)	0000~0255	0000
PDA02	(NO DISPLAY)	0000~0255	0000
PDA03	(NO DISPLAY)	0000~0255	0000
PDA04	(NO DISPLAY)	0000~0255	0000
PDA05	(NO DISPLAY)	0000/0001	0000
PDA06	(NO DISPLAY)	0000/0001	0000
PDA07	(NO DISPLAY)	0000~0255	0000
PDA08	(NO DISPLAY)	0000~0255	0000
PDA09	(NO DISPLAY)	0000~0255	0000
PDA10	(NO DISPLAY)	0000~0255	0000
PDA11	(NO DISPLAY)	0000~0255	0000
PDA12	(NO DISPLAY)	0000~0127	0000

4.6.2 [3.AUDIO] (MULTISOUND SYSTEM) (*All fixed)

Item No.	Item	Variable range	Setting value
1	ERROR LIMIT	0000~0FF0	0100
2	A2 ID THR	0000~00FF	0019
3	Q-PEAK	-	-
4	SOUND LEVEL	F00F~FFFF	FFFF

4.6.3 [4.DD/CM]

NOTE:

For reference, initial setting values (except OSD-G/B/R) in the following conditions are written here.

- Input signal : PAL/SECAM/NTSC
- Picture mode : Standard
- Zoom : Full
- Multi screen : Single screen
- Colour temp. : Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT01	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT02	(NO DISPLAY)	0000~0255	0022	0022	0022
DDT03	(NO DISPLAY)	0000~0255	0240	0240	0240
DDT04	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT05	(NO DISPLAY)	0000~0255	0228	0228	0228
DDT06	(NO DISPLAY)	0000~0255	0220	0220	0220
DDT07	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT08	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT09	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT10	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT11	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT12	(NO DISPLAY)	0000~0255	0090	0090	0090
DDT13	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT14	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT15	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT16	(NO DISPLAY)	0000~0255	0021	0021	0021
DDT17	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT18	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT19	(NO DISPLAY)	0000~0063	0001	0001	0001
DDT20	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT21	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT22	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT23	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT24	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT25	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT26	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT27	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT28	(NO DISPLAY)	0000~0255	0250	0250	0250
DDT29	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT30	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT31	(NO DISPLAY)	0000~0007	0005	0005	0005
DDT32	(NO DISPLAY)	0000~0255	0170	0170	0170
DDT33	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT34	(NO DISPLAY)	0000~0255	0032	0032	0032

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT01	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT02	(NO DISPLAY)	0000~0255	0090	0090	0090

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT03	(NO DISPLAY)	0000~0255	0030	0030	0020
CMT04	(NO DISPLAY)	0000~0255	0030	0030	0030
CMT05	(NO DISPLAY)	0000~0063	0059	0059	0060
CMT06	(NO DISPLAY)	-128~0127	0005	0005	-002
CMT07	(NO DISPLAY)	-128~0127	0002	0002	0010
CMT08	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT09	(NO DISPLAY)	-128~0127	0000	0000	0003
CMT10	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT11	(NO DISPLAY)	0000~0255	0160	0160	0160
CMT12	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT13	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT14	(NO DISPLAY)	0000~0063	0000	0000	0059
CMT15	(NO DISPLAY)	-128~0127	0006	0006	-003
CMT16	(NO DISPLAY)	-128~0127	0005	0005	0005
CMT17	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT18	(NO DISPLAY)	-128~0127	0005	0005	0000
CMT19	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT20	(NO DISPLAY)	0000~0255	0196	0196	0196
CMT21	(NO DISPLAY)	0000~0255	0030	0030	0030
CMT22	(NO DISPLAY)	0000~0255	0050	0050	0055
CMT23	(NO DISPLAY)	0000~0063	0061	0061	0000
CMT24	(NO DISPLAY)	-128~0127	0007	0007	0003
CMT25	(NO DISPLAY)	-128~0127	0022	0022	0012
CMT26	(NO DISPLAY)	-128~0127	0006	0006	0005
CMT27	(NO DISPLAY)	-128~0127	0020	0020	0012
CMT28	(NO DISPLAY)	0000~0003	0001	0001	0001
CMT29	(NO DISPLAY)	0000~0255	0070	0070	0070
CMT30	(NO DISPLAY)	0000~0255	0035	0035	0035
CMT31	(NO DISPLAY)	0000~0255	0040	0040	0040
CMT32	(NO DISPLAY)	0000~0063	0000	0000	0000
CMT33	(NO DISPLAY)	-128~0127	0005	0005	0002
CMT34	(NO DISPLAY)	-128~0127	0016	0016	0015
CMT35	(NO DISPLAY)	-128~0127	0000	0000	-004
CMT36	(NO DISPLAY)	-128~0127	0016	0016	0020
CMT37	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT38	(NO DISPLAY)	0000~0255	0070	0070	0068
CMT39	(NO DISPLAY)	0000~0255	0078	0078	0078
CMT40	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT41	(NO DISPLAY)	-128~0127	0005	0005	0004
CMT42	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT43	(NO DISPLAY)	0000~0255	0080	0080	0080
CMT44	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT45	(NO DISPLAY)	0000~0255	0080	0080	0080
CMT46	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT47	(NO DISPLAY)	0000~0255	0080	0080	0080

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT48	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT49	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT50	(NO DISPLAY)	0000~0031	0021	0021	0021
CMT51	(NO DISPLAY)	0000~0031	0021	0021	0021
CMT52	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT53	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT54	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT55	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT56	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT57	(NO DISPLAY)	0000/0001	0000	0000	0000

4.6.4 [7.VNR] (*All fixed)

NOTE:

For reference, initial setting values in the following conditions are written here.

- Input signal : PAL/SECAM/NTSC
- Picture mode : Standard
- Zoom : Full
- Multi screen : Single screen
- Colour temp. : Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
1	MYLV	0000~000F	000E	000E	000E
2	ONMVF	0000/0001	0001	0001	0001
3	MYCOR	0000~001F	0003	0003	0003
4	MYGA	0000~0003	0002	0002	0002
5	YEGON	0000/0001	0001	0001	0001
6	YEGL	0000~000F	0000	0000	0000
7	YLTL	0000~007F	0009	0009	0009
8	MCLV	0000~000F	0008	0008	0008
9	MCGA	0000~0003	0002	0002	0002
10	MCCOR	0000~001F	0003	0003	0003
11	CLTL	0000~007F	0009	0009	0009
12	YNGA	0000~0003	0003	0003	0003
13	COR_OF	0000/0001	0000	0000	0000
14	LPF_OF	0000/0001	0000	0000	0000
15	YCTL	0000~000F	0004	0004	0004
16	YNCL	0000~000F	000E	000E	000E
17	YNCON	0000/0001	0001	0001	0001

4.6.5 [8.IP] (*All fixed)

NOTE:

For reference, initial setting values in the following conditions are written here.

- Input signal : PAL/SECAM/NTSC
- Picture mode : Standard
- Zoom : Full
- Multi screen : Single screen
- Colour temp. : Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPA001	(NO DISPLAY)	0000~00FF	0040	0040	0040
PPA002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA003	(NO DISPLAY)	0000~00FF	0053	0053	005A
PPA004	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA007	(NO DISPLAY)	0000~00FF	0053	0053	005A
PPA008	(NO DISPLAY)	0000~00FF	0031	0031	0023

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB001	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB003	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB004	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB007	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB009	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB010	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB011	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB012	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB013	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB015	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB016	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB017	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB018	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB019	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB020	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB021	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB022	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB023	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB024	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB025	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB027	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB028	(NO DISPLAY)	0000~001F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB029	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB031	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB033	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB034	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB035	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPC001	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC002	(NO DISPLAY)	0000~00FF	000E	000E	000F
PPC003	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPC004	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC005	(NO DISPLAY)	0000~00FF	007C	007C	007C
PPC006	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC007	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD001	(NO DISPLAY)	0000~000F	006A	006A	006A
PPD002	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD003	(NO DISPLAY)	0000~00FF	00F6	00F6	00F6
PPD004	(NO DISPLAY)	0000~000F	0002	0002	0002
PPD005	(NO DISPLAY)	0000~00FF	0042	0042	0042
PPD006	(NO DISPLAY)	0000~000F	0000	0000	0000
PPD007	(NO DISPLAY)	0000~00FF	0024	0024	0024
PPD008	(NO DISPLAY)	0000~000F	0001	0001	0001
PPD009	(NO DISPLAY)	0000~00FF	0054	0054	0054
PPD010	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD011	(NO DISPLAY)	0000~00FF	00F0	00F0	00F0
PPD012	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD013	(NO DISPLAY)	0000~000F	0034	0034	0034
PPD014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD015	(NO DISPLAY)	0000~00FF	0028	0028	0028
PPD016	(NO DISPLAY)	0000~000F	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS001	(NO DISPLAY)	0000~00FF	00D7	00D7	00D7
ADS002	(NO DISPLAY)	0000~000F	000F	000F	000F
ADS003	(NO DISPLAY)	0000~0003	0001	0001	0001
ADS004	(NO DISPLAY)	0000~0007	0005	0005	0005
ADS005	(NO DISPLAY)	0000~001F	0016	0016	0016
ADS006	(NO DISPLAY)	0000~00FF	0028	0028	0028

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS007	(NO DISPLAY)	0000~00FF	0096	0096	0096
ADS008	(NO DISPLAY)	0000~00FF	0020	0020	0020
ADS009	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS010	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS011	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
ADS012	(NO DISPLAY)	0000~007F	0044	0044	0044
ADS013	(NO DISPLAY)	0000~007F	004D	004D	004D
ADS014	(NO DISPLAY)	0000~007F	0044	0044	0044
ADS015	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS016	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS017	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS018	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS019	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS020	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS021	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS022	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS023	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS024	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS025	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS026	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS027	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS028	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS029	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS030	(NO DISPLAY)	0000~001F	0003	0003	0003
ADS031	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS032	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS033	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS034	(NO DISPLAY)	0000~00FF	0032	0032	0032

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA001	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA002	(NO DISPLAY)	0000~003F	0022	0022	0015
IPA003	(NO DISPLAY)	0000~003F	0022	0022	0010
IPA004	(NO DISPLAY)	0000~003F	0022	0022	0015
IPA005	(NO DISPLAY)	0000~0003	0000	0000	0001
IPA006	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA007	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA008	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA009	(NO DISPLAY)	0000~003F	0005	0005	0005
IPA010	(NO DISPLAY)	0000~003F	001C	001C	0019
IPA011	(NO DISPLAY)	0000~003F	0018	0018	0017
IPA012	(NO DISPLAY)	0000~003F	0026	0026	0027
IPA013	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA014	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA015	(NO DISPLAY)	0000~000F	000F	000F	000F

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA016	(NO DISPLAY)	0000~003F	0007	0007	0008
IPA017	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA018	(NO DISPLAY)	0000~003F	0003	0003	0015
IPA019	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA020	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA021	(NO DISPLAY)	0000~003F	0030	0030	0015
IPA022	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA023	(NO DISPLAY)	0000~003F	000A	000A	0004
IPA024	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA025	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA026	(NO DISPLAY)	0000~003F	0030	0030	0015
IPA027	(NO DISPLAY)	0000~0003	0001	0001	0000
IPA028	(NO DISPLAY)	0000~003F	000A	000A	0005
IPA029	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA030	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA031	(NO DISPLAY)	0000~0007	0000	0000	0000
IPA032	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA034	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA035	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA036	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA037	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA038	(NO DISPLAY)	0000~003F	0010	0010	0010
IPA039	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA040	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA041	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA042	(NO DISPLAY)	0000~003F	0005	0005	0005
IPA043	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA044	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA045	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA046	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA047	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA048	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA049	(NO DISPLAY)	0000~000F	0007	0007	0007
IPA050	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA051	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA052	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA053	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA055	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA056	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA057	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA058	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA059	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA060	(NO DISPLAY)	0000~003F	0015	0015	0015

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA062	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA063	(NO DISPLAY)	0000~003F	003F	003F	003F
IPA064	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA065	(NO DISPLAY)	0000~0007	0001	0001	0001
IPA066	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA067	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA068	(NO DISPLAY)	0000~003F	0027	0027	0027
IPA069	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA070	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA071	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA072	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPA073	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA074	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA075	(NO DISPLAY)	0000~00FF	0018	0018	0016
IPA076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA077	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA079	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA080	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA081	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA082	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA083	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA087	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA088	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA089	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA090	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA091	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA092	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA093	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA094	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
IPA095	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA096	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA097	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA098	(NO DISPLAY)	0000~00FF	00FF	00FF	00FF
IPA099	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA100	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA101	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA102	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA103	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA104	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA105	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA106	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA107	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA108	(NO DISPLAY)	0000~00FF	0080	0080	0080
IPA109	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA110	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA111	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA112	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA113	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA114	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0
IPA115	(NO DISPLAY)	0000~000F	0002	0002	0002
IPA116	(NO DISPLAY)	0000~00FF	00EF	00EF	00EF
IPA117	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA118	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA119	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA120	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB001	(NO DISPLAY)	0000~00FF	0001	0001	0001
IPB002	(NO DISPLAY)	0000~00FF	0001	0001	0003
IPB003	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB004	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB006	(NO DISPLAY)	0000~00FF	00EC	00EC	00ED
IPB007	(NO DISPLAY)	0000~000F	0002	0002	0002
IPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB009	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB010	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB011	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB012	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB013	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB014	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB015	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB016	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB017	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB018	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB019	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB020	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB022	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB023	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB024	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB025	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB027	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB028	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB029	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB031	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB033	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB034	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB035	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB038	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB039	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB040	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB041	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB042	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB043	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB044	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB045	(NO DISPLAY)	0000~000F	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB046	(NO DISPLAY)	0000~00FF	008B	008B	008B
IPB047	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB049	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB050	(NO DISPLAY)	0000~00FF	000F	000F	000F
IPB051	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB052	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB053	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB054	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB055	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB056	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB057	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB058	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB059	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB060	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB062	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB063	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB064	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB065	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB066	(NO DISPLAY)	0000/0001	00C8	00C8	00C8
IPB067	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB068	(NO DISPLAY)	0000~000F	0040	0040	0040
IPB069	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB070	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB071	(NO DISPLAY)	0000~00FF	0001	0001	0001
IPB072	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB073	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPB074	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB075	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB077	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB079	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB080	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB081	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB082	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB083	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB087	(NO DISPLAY)	0000~000F	000B	000B	000B
IPB088	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC001	(NO DISPLAY)	0000~0003	0002	0002	0002
IPC002	(NO DISPLAY)	0000~00FF	00EA	00EA	00EA
IPC003	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC004	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC006	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC007	(NO DISPLAY)	0000~000F	0005	0005	0005
IPC008	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPC009	(NO DISPLAY)	0000~000F	0007	0007	0006
IPC010	(NO DISPLAY)	0000~00FF	00B9	00B9	0071
IPC011	(NO DISPLAY)	0000~000F	0004	0004	0004
IPC012	(NO DISPLAY)	0000~00FF	00CE	00CE	00CE
IPC013	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC014	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC015	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC016	(NO DISPLAY)	0000~00FF	001F	001F	0003
IPC017	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC018	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC019	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC020	(NO DISPLAY)	0000~007F	0001	0001	0001
IPC021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC022	(NO DISPLAY)	0000~00FF	00FE	00FE	00FE
IPC023	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC024	(NO DISPLAY)	0000~00FF	005C	005C	0040
IPC025	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC026	(NO DISPLAY)	0000~007F	0020	0020	0020
IPC027	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC028	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC029	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC031	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC032	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC035	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC036	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC038	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC044	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD001	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD002	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD003	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD004	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD005	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD006	(NO DISPLAY)	0000~0007	0006	0006	0006
IPD007	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPD008	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD009	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD010	(NO DISPLAY)	0000~00FF	0062	0062	0062
IPD011	(NO DISPLAY)	0000~000F	0005	0005	0005
IPD012	(NO DISPLAY)	0000~00FF	002B	002B	002B
IPD013	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD014	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD015	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD016	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD017	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD018	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD019	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD020	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD021	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD022	(NO DISPLAY)	0000/0001	0080	0080	0080
IPD023	(NO DISPLAY)	0000~000F	0080	0080	0080
IPD024	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD025	(NO DISPLAY)	0000~000F	0060	0060	0060
IPD026	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPD027	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD028	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD029	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD031	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD035	(NO DISPLAY)	0000~0003	0000	0000	0000
IPD036	(NO DISPLAY)	0000~000F	0000	0000	0000
IPD037	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD038	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD044	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD045	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD046	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD047	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD049	(NO DISPLAY)	0000~00FF	0090	0090	0090
IPD050	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD051	(NO DISPLAY)	0000~00FF	001D	001D	001D
IPD052	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD053	(NO DISPLAY)	0000~00FF	00E6	00E6	00E6
IPD054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD055	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD056	(NO DISPLAY)	0000~00FF	000E	000E	000E
IPD057	(NO DISPLAY)	0000~000F	0004	0004	0004
IPD058	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0

4.7 ADJUSTMENT PROCEDURE

4.7.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
VCO (AFC) check	Remote control unit Signal generator		[1.IF] 1.VCO(CW)	(1) Receive a PAL colour bar signal. (2) Select "1. IF" from the SERVICE MENU. (3) Select "1. VCO." (4) Make sure that an arrow of "MAIN" is in the position between "ABOVE REF." and "BELOW REF."on the screen (5) Make sure that an arrow of "SUB" is in the position between "ABOVE REF." and "BELOW REF."on the screen.

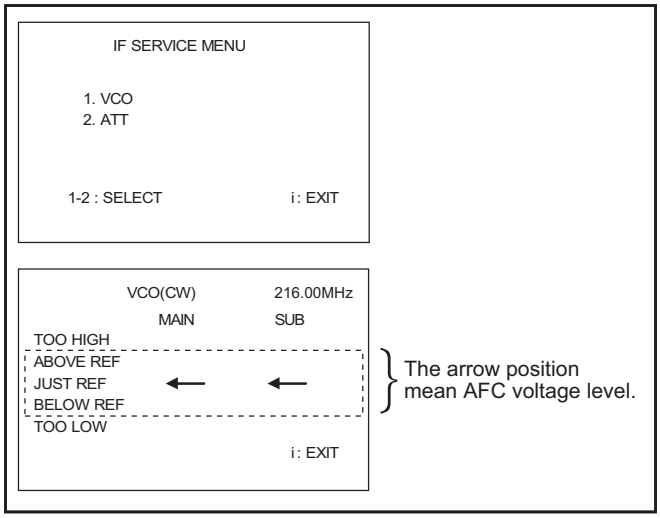


Fig.1

4.7.2 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
SUB BRIGHTNESS	Remote control unit Signal generator		[2.V/C] 9. BRIGHT (Bright)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 9. BRIGHT > (Bright) to set the 0% black part to be the brightest. (4) Press the [OK] key to memorize the set value.

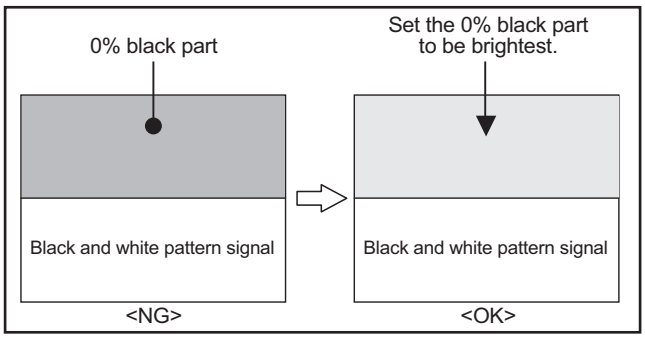


Fig.2

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB
CONTRAST</td><td>Remote control unit

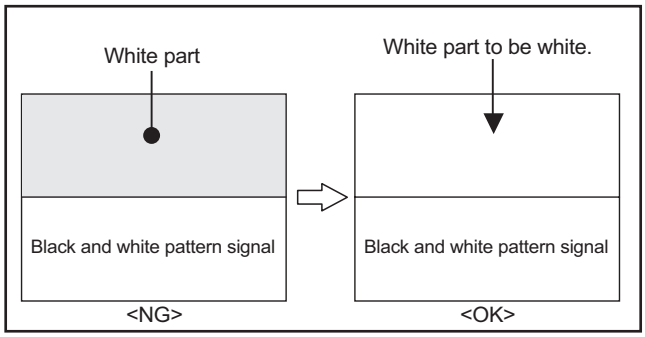
Signal generator</td><td></td><td>[2. V/C]
10. CONT
(Contrast)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (colour off).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust < 10. CONT > (Contrast) to set the white part to be white.
(4) Press the [OK] key to memorize the set value.</td></tr>
<tr><td colspan="4"> 

Fig.3</td></tr>
<tr><td>SUB
A-D OFFSET</td><td>Remote control unit

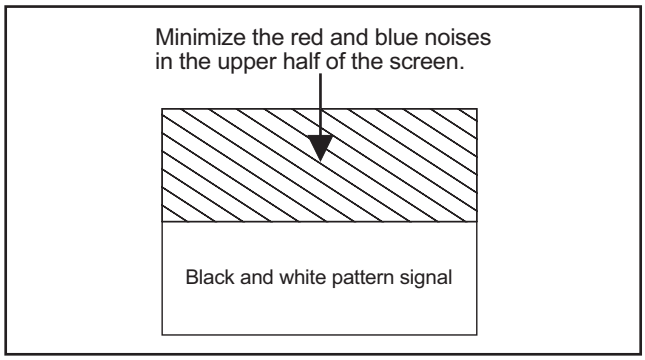
Signal generator</td><td></td><td>[2. VC]
22.M BOF ST
(Main-screen blue off set)
23.M ROF ST
(Main-screen red off set)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. VC" from the SERVICE MENU.
(3) Adjust < 22.M BOF ST >(Main-screen blue off set) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.4)
NOTE:
If you select an adjustment item < 22.M BOF ST >, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.
(5) Adjust < 23.M ROF ST >(Main-screen red off set) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.4)
(6) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4"> 

Fig.4</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
PAL/SECAM/ NTSC SUB COLOUR	Remote control unit Signal generator		[2.V/C] 13. COLOUR (Colour)	**- PAL COLOUR -** (1) Receive a PAL colour bar signal (full field colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 13. COLOUR > (Colour) to set the red colour of the colour bar signal to be the reddest. (See Fig.5)If noise is not completely deleted, adjust < 13. COLOUR > so that the red colour has the minimum noise. **NOTE:** If you select an adjustment item < 13. COLOUR >, then the screen turns to an adjustment screen shown in Fig.5. (4) Press the [OK] key to memorize the set value. (5) Press the [INFORMATION] key twice to the normal screen. **- SECAM COLOUR -** (1) Receive a SECAM colour bar signal (half colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Make similar adjustment of SECAM COLOUR in the same way as for "PAL COLOUR". (See Fig.6) **- NTSC COLOUR -** (1) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white). (2) Select "2. V/C" from the SERVICE MENU. (3) Make similar adjustment of NTSC COLOUR in the same way as for "PAL COLOUR". (See Fig.5) (4) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.
SUB-SCREEN BRIGHTNESS	Remote control unit Signal generator		[2. V/C] 11. TWN BRG (Sub-screen bright)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 11. TWN BRG > (Sub-screen bright) to set the 0% black part in the sub (right) screen to be the brightest. **NOTE:** If you select an adjustment item < 11.TWN BRG >, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to memorize the set value.

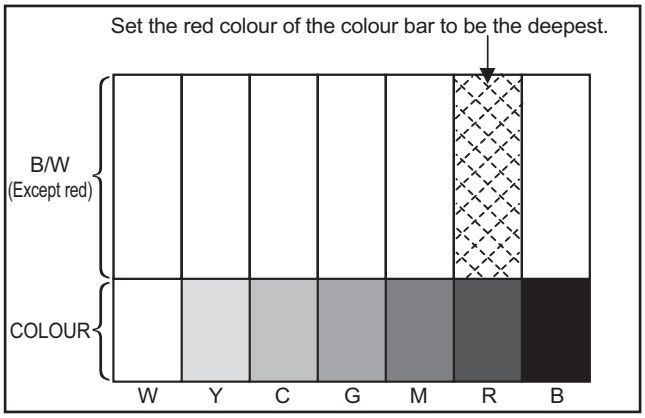


Fig.5

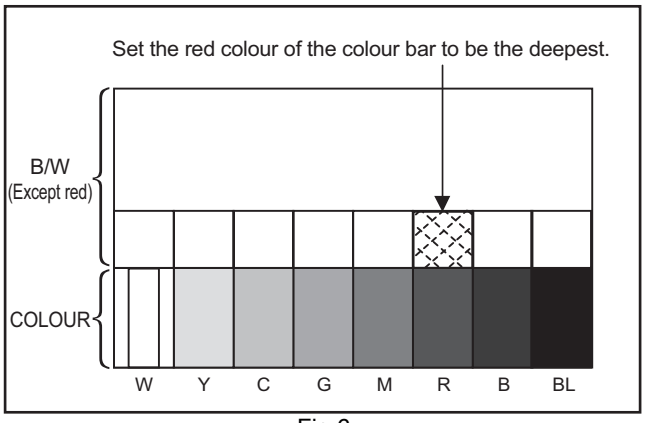


Fig.6

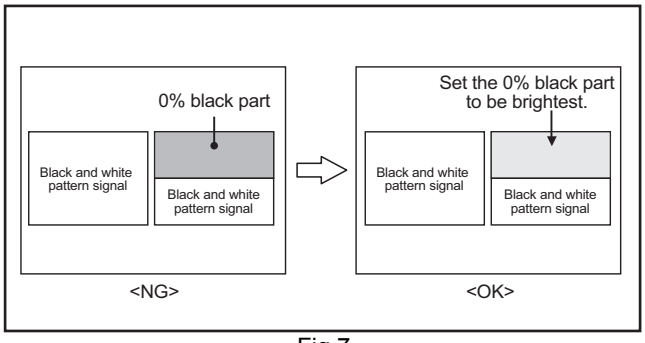
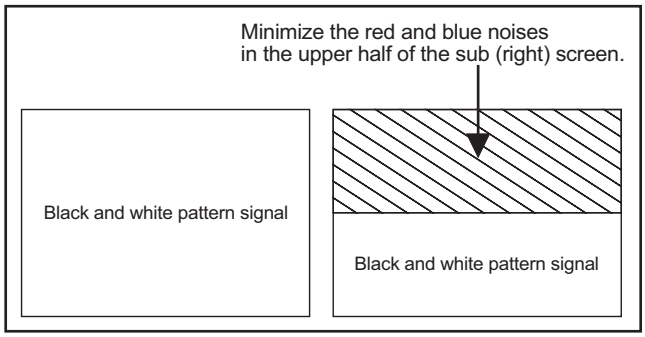
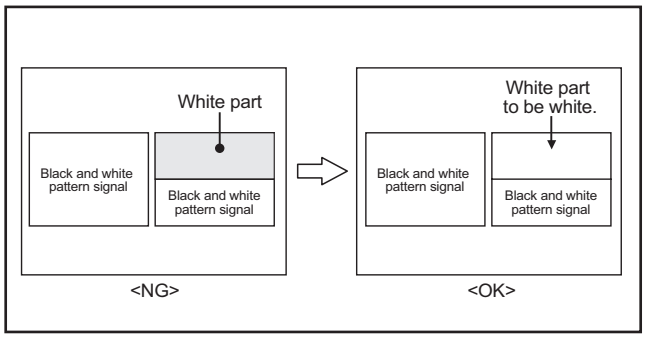


Fig.7

Item	Measuring instrument	Test point	Adjustment part	Description
SUB-SCREEN A-D OFFSET	Remote control unit Signal generator		[2. V/C] 7. TWN HI R (Sub-screen high light red) 8. TWN HI B (Sub-screen high light blue)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 7.TWN HI R >(Sub-screen high light red) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.8) **NOTE:** If you select an adjustment item < 7. TWN HI R >, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to memorize the set value. (5) Adjust < 8.TWN HI B >(Sub-screen high light blue) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.8) (6) Press the [OK] key to memorize the set value.
 Fig.8				
SUB-SCREEN CONTRAST	Remote control unit Signal generator		[2. V/C] 12. TWN CNT (Sub-screen contrast)	(1) Receive a PAL black and white pattern signal (colour off). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 12. TWN CNT > (Sub-screen contrast) to set the white part in the sub (right) screen to be white. **NOTE:** If you select an adjustment item < 12.TWN CNT >, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to memorize the set value.
 Fig.9				

Item	Measuring instrument	Test point	Adjustment part	Description
PAL/SECAM/ NTSC SUB-SCREEN COLOUR	Remote control unit Signal generator		[2. V/C] 16. TWN COL (Sub-screen colour)	**- SUB-SCREEN PAL COLOUR -** (1) Receive a PAL colour bar signal (full field colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust < 16. TWN COL > (Sub-screen colour) to set the red colour of the colour bar signal in the sub screen to be the reddest. (See Fig.10) If noise is not completely deleted, adjust < 16. TWN COL > so that the red colour has the minimum noise. **NOTE:** If you select an adjustment item < 16.TWN COL >, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to memorize the set value. (5) Press the [INFORMATION] key twice to the normal screen. **- SUB-SCREEN SECAM COLOUR -** (1) Receive a SECAM colour bar signal (half colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Make similar adjustment of SECAM COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.11) **- SUB-SCREEN NTSC COLOUR -** (1) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white). (2) Select "2. V/C" from the SERVICE MENU. (3) Make similar adjustment of NTSC COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.10) (4) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator		[2. V/C] S13: R GAIN S15: G GAIN S17: B GAIN	(1) Receive a PAL 75% all-white signal. (2) Set colour temperature to "NORMAL." (3) Select "2. V/C" from the SERVICE MENU. (4) Fix one of < S13 > (R GAIN), < S15 > (G GAIN), or < S17 >(B GAIN). Then, lower the other two that are not fixed so that the all-white screen is equally white throughout. **NOTE:** Set one or more of < S13 >, < S15 >, and < S17 > to 255. (5) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (6) Press the [OK] key to memorize the set value.

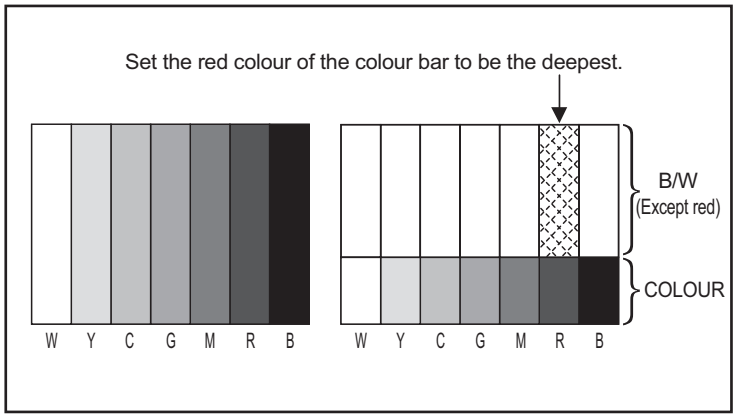


Fig.10

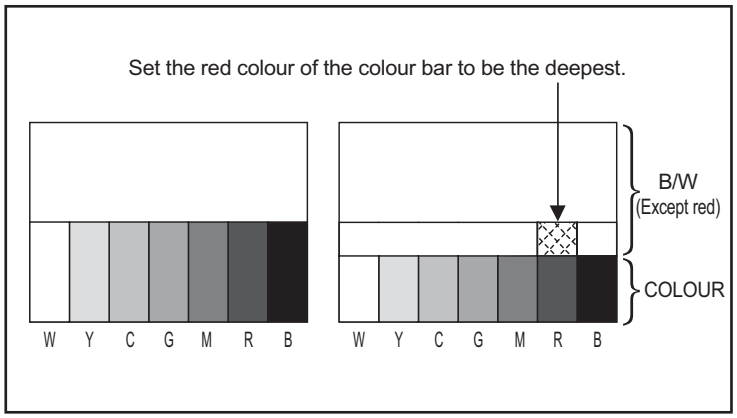


Fig.11

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA020)

Printed in Japan
WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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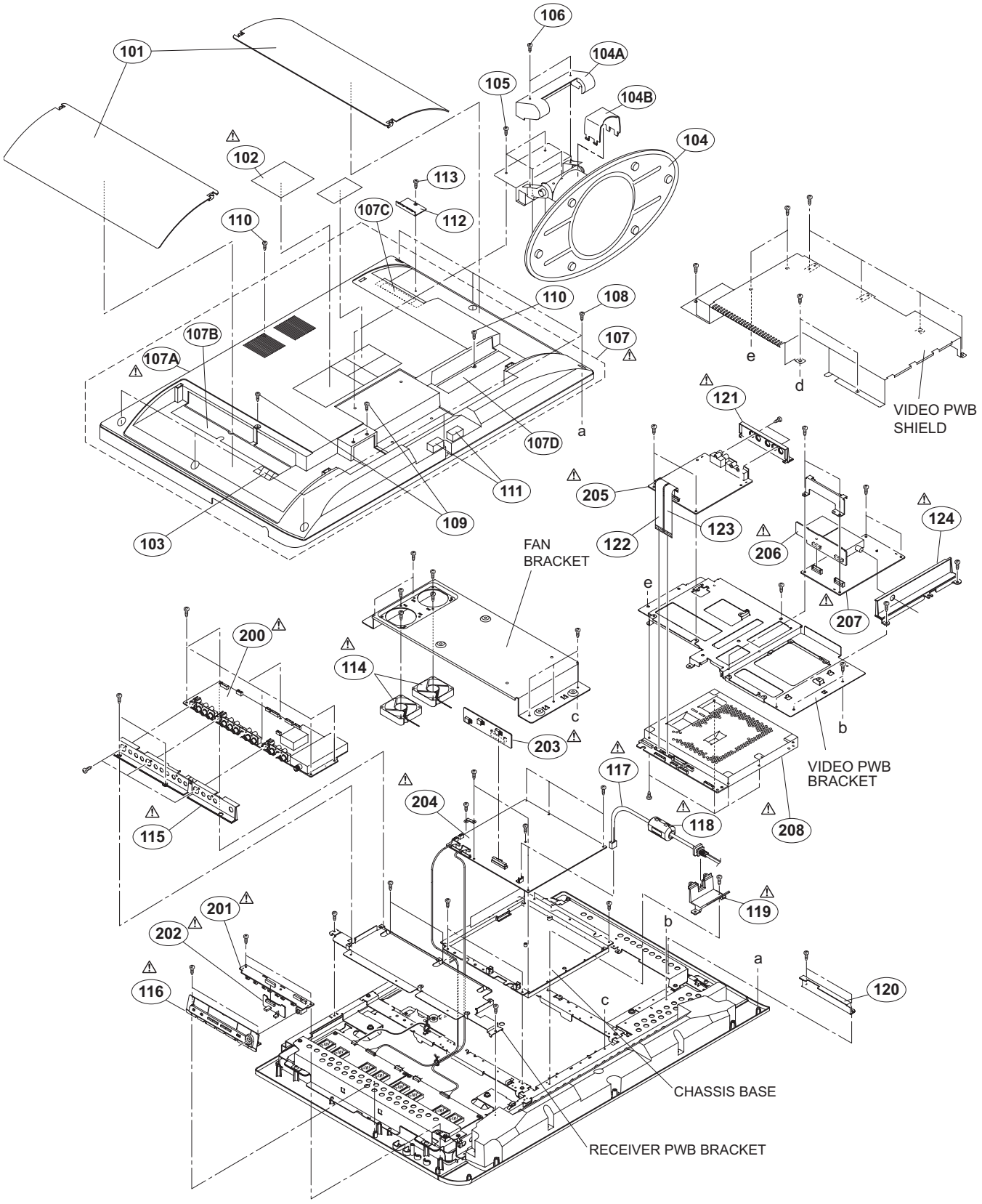
USING P.W. BOARD & REMOTE CONTROL UNIT

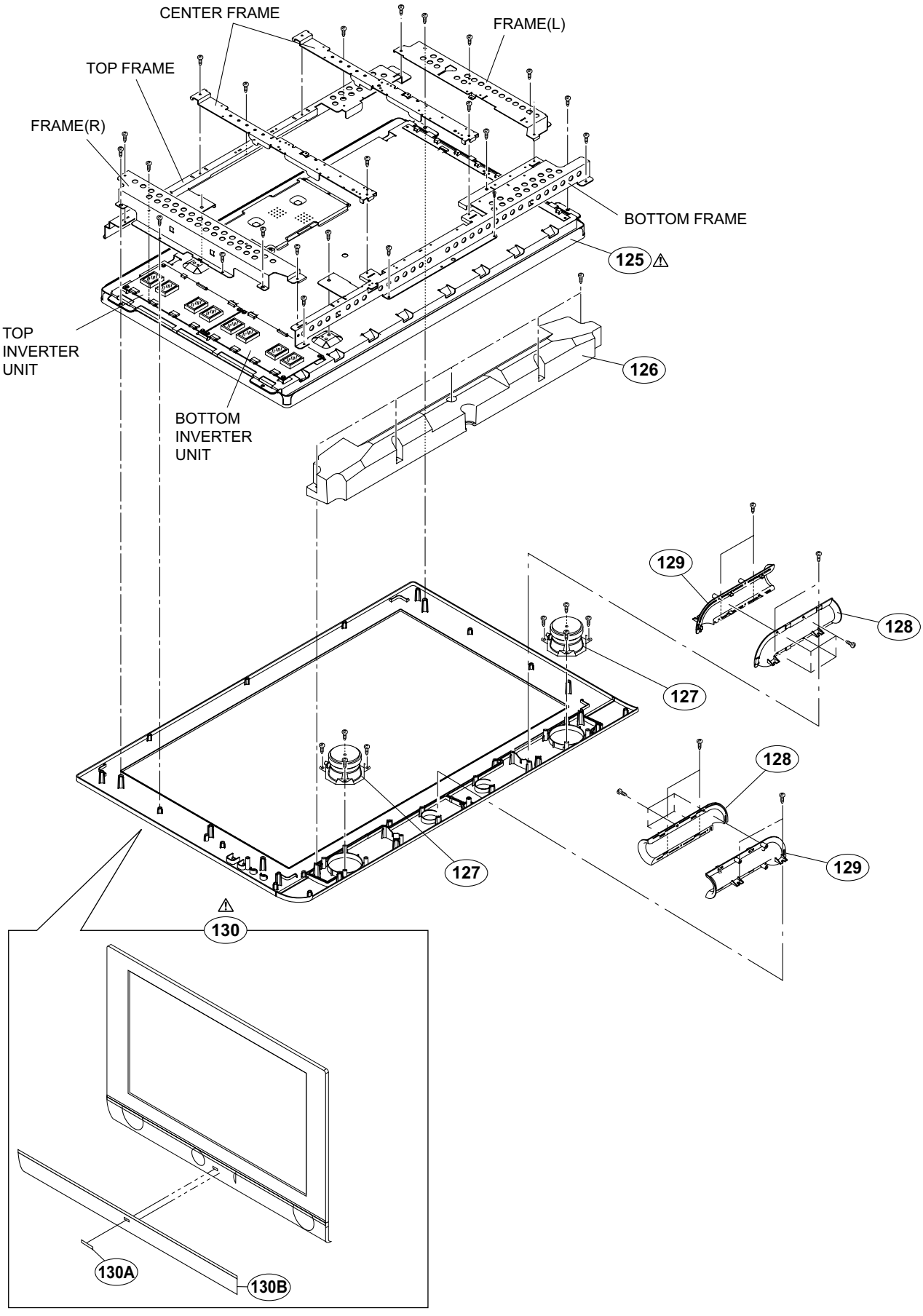
P.W.B ASS'Y	LT-Z32S2	LT-Z32S2/A	LT-Z32S2/S
VIDEO P.W.B	LCA90207-03B(SMK-1652A)	←	←
REGULATOR P.W.B	LCA90150-09D(SMK-9614A)	←	←
POWER P.W.B	LCA90149-08F(SMK-9604A)	←	←
MSP P.W.B	LCA90209-04B(SMK-0A652A)	←	←
RECEIVER P.W.B	LCA90212-02B(SMK-0J652A)	←	←
FRONT SENSOR P.W.B	LCA90211-01B(SMK-0L602A)	←	←
FRONT CONTROL P.W.B	LCA90210-01B(SMK-0L601A)	←	←
TUNER P.W.B	LCA90213-02B(SMK-0R652A)	←	←
MI-CON & DIST MODULE P.W.B	LCA10331-06C(SMK-0Z654A)	LCA10331-08C(SMK-0Z656A)	LCA10331-07C(SMK-0Z655A)
REMOTE CONTROL UNIT	RM-C1808-1C	←	←

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	101	LC11686-001B	JACK COVER	(x2)	
⚠	102	LC21562-001A-0L	RATING LABEL		LT-Z32S2
⚠	102	LC21562-003A-0L	RATING LABEL		LT-Z32S2/A
⚠	102	LC21562-002A-0L	RATING LABEL		LT-Z32S2/S
	103	LC41749-001A	CAUTION LABEL		
	104	LC41609-001C	STAND ASSY	Inc.No.104A-104B	
	104A	N0354	STAND COVER		
	104B	N0355	CORD HOLDER		
	105	QYSPSPD5012M	SCREW	M5 x 12mm(x4)	
	106	QYSPSPD3008N	SCREW	3mm x 8mm(x2)	
⚠	107	LC11689-004A	REAR PANEL ASSY	Inc.No.107A-107D	
⚠	107A	LC11685-001B	REAR COVER		
	107B	LC32367-004C	OPERATION SHEET		
	107C	LC32368-004B	OPERATION SHEET		
	107D	LC32370-003A	OPERATION SHEET		
	108	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x7)	
	109	QYSSSF3010M	TAP SCREW	M3 x 10mm(x3)	
	110	QYSPSPD3008M	SCREW	3mm x 8mm(x2)	
	111	LC30599-054A	STICK SHEET	(x2)	
	112	LC32366-001A-HK	SERVICE COVER		
	113	QYSBSF3008M	TAP SCREW	3mm x 8mm	
⚠	114	QAR0295-002	COOLING FAN	(x2)	
⚠	115	LC21334-003A	TERMINAL BASE		
⚠	116	LC32351-003B	CONT KNOB ASSY		
⚠	117	QMPK300-170-JC	POWER CORD(EU)	1.7m BLACK	LT-Z32S2
⚠	117	QMPG110-170-JC	POWER CORD(AST)	1.7m BLACK	LT-Z32S2/A
⚠	117	QMPN260-170-JC	POWER CORD(EK)	1.7m BLACK	LT-Z32S2/S
⚠	118	QQR1193-001	CORE FILTER		LT-Z32S2/S
⚠	119	LC21348-001D-HK	PW CORD HOLDER		
	120	LC21349-002A-HK	CARD BASE		
⚠	121	LC32346-003B	JACK BASE		
	122	QUQ105-3008AH	FFC WIRE		
	123	QUQ105-3008AH	FFC WIRE		
⚠	124	LC32348-003A	TUNER PWB BASE		
⚠	125	QLD0304-002	LCD PANEL MODULE		
	126	LC11633-001B	SP BOX		
	127	QAS0142-001	SPEAKER	SP01/SP02(x2)	
	128	LC21339-001A-HK	DUCT BASE	(x2)	
	129	LC21340-001B-HK	DUCT COVER	(x2)	
⚠	130	LC11688-004A	FRONT PANEL ASSY	Inc.No.130A-130B	
	130A	CM48006-010-C	JVC MARK		
	130B	LC11692-001A	PUNCHING SHEET		
⚠	200	LCA90212-02B	RECEIVER PWB		
⚠	201	LCA90210-01B	FRONT CONTROL PWB		
⚠	202	LCA90211-01B	FRONT SENSOR PWB		
⚠	203	LCA90150-09D	REGULATOR PWB		
⚠	204	LCA90149-08F	POWER PWB		
⚠	205	LCA90207-03B	VIDEO PWB		
⚠	206	LCA90213-02B	TUNER PWB		
⚠	207	LCA90209-04B	MSP PWB		
⚠	208	LCA10331-06C	MI-CON & DIST MODULE PWB		LT-Z32S2
⚠	208	LCA10331-08C	MI-CON & DIST MODULE PWB		LT-Z32S2/A
⚠	208	LCA10331-07C	MI-CON & DIST MODULE PWB		LT-Z32S2/S

EXPLODED VIEW




CENTER FRAME
FRAME(L)
TOP FRAME
FRAME(R)
BOTTOM FRAME
125
TOP
INVERTER
UNIT
126
BOTTOM
INVERTER
UNIT
129
128
127
128
129
127
130
130A
130B

PRINTED WIRING BOARD PARTS LIST [LT-Z32S2]

VIDEO P.W. BOARD ASS'Y (LCA90207-03B) (SMK-1652A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC803	BA05FP-X	IC		
IC1101	AN15851A-W	IC		
IC1201	TA1370FG-X	IC		
IC1202	SN74AHC2G08T-X	IC		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		
Q803	2SC2412K/QR/-X	TRANSISTOR		
Q804	2SC2412K/QR/-X	TRANSISTOR		
Q805	2SC2412K/QR/-X	TRANSISTOR		
Q806	2SC2412K/QR/-X	TRANSISTOR		
Q807	2SC2412K/QR/-X	TRANSISTOR		
Q808	2SC2412K/QR/-X	TRANSISTOR		
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
Q1101	2SC2412K/QR/-X	TRANSISTOR		
Q1102	2SC2412K/QR/-X	TRANSISTOR		
Q1103	2SC2412K/QR/-X	TRANSISTOR		
Q1111	2SC2412K/QR/-X	TRANSISTOR		
Q1112	2SC2412K/QR/-X	TRANSISTOR		
Q1113	2SC2412K/QR/-X	TRANSISTOR		
Q1201	2SC2412K/QR/-X	TRANSISTOR		
Q1202	2SC2412K/QR/-X	TRANSISTOR		
Q1203	2SC2412K/QR/-X	TRANSISTOR		
D1201	MA8100/M/-X	Z DIODE		
D1202	MA8100/M/-X	Z DIODE		
D1203	MA8100/M/-X	Z DIODE		
D1204	MA8100/M/-X	Z DIODE		
D1205	MA8100/M/-X	Z DIODE		
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C826	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C827	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C828	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C829	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C830	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C831	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C833	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C834	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C835	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C849	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C853	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C881	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C885	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C886	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C889	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C890	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C891	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C893	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1101	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1102	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1103	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1107	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1108	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1111	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1112	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1113	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1206	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1251	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1252	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C1253	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C1254	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1255	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R820	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R821	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R822	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R823	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R824	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R825	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R826	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R827	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R828	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R829	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R830	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R831	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R832	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R833	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R834	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R835	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R836	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R837	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R838	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R839	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R840	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R841	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R842	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R843	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R849	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R851	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R852	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R859	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R869	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R870	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R877	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R899	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1257	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1258	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1259	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1262	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1263	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1264	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1266	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
L869	NQL092M-180X	P COIL	18uH M	
CN00H	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN00N	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN0AH	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
J1201	QNN0584-001	PIN JACK	EXT-4 COMPONENT	
J1202	QNN0595-001	PIN JACK	EXT-4 R/L IN	
X801	NAX0621-001X	CRYSTAL	16.200MHz	
X1201	CSB503F30	C RESONATOR		

REGULATOR P.W. BOARD ASS'Y (LCA90150-09D) (SMK-9614A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9801	SI-8090JD-W	IC		
IC9802	SI-8050JD-W	IC		
IC9803	PQ1CY1032Z-W	IC		
Q9801	2SC3928A/QR/-X	TRANSISTOR		
Q9802	2SC3928A/QR/-X	TRANSISTOR		
Q9803	2SC3928A/QR/-X	TRANSISTOR		
Q9804	2SC3928A/QR/-X	TRANSISTOR		
Q9805	UN2213-X	DIGI TRANSISTOR		
D9801	EC30HA03L-X	SB DIODE		
D9802	MA111-X	SI DIODE		
D9803	EC30HA03L-X	SB DIODE		
D9804	MA111-X	SI DIODE		
D9805	MA3030/H/-X	Z DIODE		
D9806	EC30HA03L-X	SB DIODE		
D9807	PTZ16B-X	Z DIODE		
D9808	MA111-X	SI DIODE		
D9809	PTZ11B-X	Z DIODE		
D9810	PTZ6.8B-X	Z DIODE		
C9801	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9803	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C9805	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9807	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C9809	NEH91HM-105X	E CAPACITOR	1uF 50V M	
C9810	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9811	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C9813	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C9814	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C9815	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C9816	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C9817	NEH91CM-476X	E CAPACITOR	47uF 16V M	
R9801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9802	NRS12BJ-6R8W	MG RESISTOR	6.8Ω 1/2W J	
R9803	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9804	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9807	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9808	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9809	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9810	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9812	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J	
R9813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9815	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9816	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9817	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9818	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9819	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9820	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9821	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9823	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R9824	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9825	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9826	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9827	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9828	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9829	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9830	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9831	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
L9802	NQL63EM-101X	COIL	100uH M	
L9804	NQL63EM-101X	COIL	100uH M	
L9806	NQL63EM-101X	COIL	100uH M	
L9807	NQL80CL-100X	COIL	10uH L	
CN1001	QGB2501K2-13	CONNECTOR	B-B (1-13)	
K9801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9802	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

POWER P.W. BOARD ASS'Y (LCA90149-08F) (SMK-9604A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠IC9211	MC33262D-X	IC		
⚠IC9501	STR-F6268S-F3	IC		
⚠IC9541	SE015N-LF12	IC		
IC9901	SI-8033S/F1	IC		
IC9902	PQ1CG2032FZ	IC		
Q9021	UN2211-X	TRANSISTOR		
⚠Q9211	2SK2196	POWER MOS FET		
Q9212	2SC3928A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	DIGI TRANSISTOR		
Q9215	2SC3928A/QR/-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9541	UN2213-X	DIGI TRANSISTOR		
Q9901	2SC3928A/QR/-X	TRANSISTOR		
Q9902	2SC3928A/QR/-X	TRANSISTOR		
Q9903	UN2213-X	DIGI TRANSISTOR		
Q9904	2SC3928A/QR/-X	TRANSISTOR		
Q9905	2SC3928A/QR/-X	TRANSISTOR		
Q9906	UN2213-X	DIGI TRANSISTOR		
D9021	MA111-X	SI DIODE		
D9111	S1WB/A/60-4101	BRIDGE DIODE		
⚠D9201	D25XB60	BRIDGE DIODE		
D9202	MA111-X	SI DIODE		
⚠D9211	D5L60	SI DIODE		
D9213	MA111-X	SI DIODE		
D9214	MA111-X	SI DIODE		
D9501	RD12E/B2/-T5	Z DIODE		
D9502	RD33E/B/-T5	Z DIODE		
D9503	RD5.1E/B2/-T5	Z DIODE		
D9504	SARS01-T2	SI DIODE		
D9505	SARS01-T2	SI DIODE		
D9506	D1FL20U-X	SI DIODE		
D9507	PG104RS-T2	FR DIODE		
D9509	D1FS4-X	SB DIODE		
D9510	D1FS4-X	SB DIODE		
D9511	MA111-X	SI DIODE		
D9513	MA111-X	SI DIODE		
D9541	FME-220A	SB DIODE		
D9542	EU2-T3	SI DIODE		
D9543	FME-220A	SB DIODE		
D9544	FME-220A	SB DIODE		
D9545	RD16E/B/-T5	Z DIODE		
D9546	RD16E/B/-T5	Z DIODE		
D9901	RK44-LFT4	SB DIODE		
D9902	MA111-X	SI DIODE		
D9903	EC30HA03L-X	SB DIODE		
D9904	MA111-X	SI DIODE		
D9905	PTZ16B-X	Z DIODE		
⚠C9001	QFZ9073-225	MM CAPACITOR	2.2uF AC250V M	
⚠C9002	QFZ9075-105	MPP CAPACITOR	1uF AC275V M	
⚠C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9101	QCZ9082-472Z	C CAPACITOR	4700pF AC250V M	
⚠C9102	QCZ9082-472Z	C CAPACITOR	4700pF AC250V M	
⚠C9103	QCZ9082-472Z	C CAPACITOR	4700pF AC250V M	
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M	
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9197	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9198	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠C9201	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
⚠C9203	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
⚠C9204	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
⚠C9205	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
C9211	QFZ0128-474	MPP CAPACITOR	0.47uF DC400V H	
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9213	NCB21CK-684X	C CAPACITOR	0.68uF 16V K	
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M	
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9501	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9502	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C9503	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9504	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9505	QCZ0354-331Z	C CAPACITOR	330pF 2kV K	
C9506	QCZ0354-331Z	C CAPACITOR	330pF 2kV K	
C9508	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9509	QEHR1HM-476Z	E CAPACITOR	47uF 50V M	
C9510	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9511	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C9512	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C9541	QCZ0354-681Z	C CAPACITOR	680pF 2kV K	
C9543	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9544	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9545	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9546	QCZ0354-681Z	C CAPACITOR	680pF 2kV K	
C9547	QCZ0354-681Z	C CAPACITOR	680pF 2kV K	
C9548	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9549	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9550	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9551	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9552	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9553	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9901	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9903	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
C9905	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9906	QEZ0255-128	E CAPACITOR	1200uF 16V M	
C9908	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9910	QEHR1HM-476Z	E CAPACITOR	47uF 50V M	
C9911	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C9912	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
⚠R9199	QRZ0111-685	C RESISTOR	6.8MΩ 1/2W K	
⚠R9201	QRZ9055-8R2	FUSI RESISTOR	8.2Ω 2W K	
R9203	QRL01EJ-561X	OMF RESISTOR	560Ω 1W J	
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9215	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9218	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9220	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R9221	QRM059J-R27	MP RESISTOR	0.27Ω 5W J	
R9222	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9223	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9224	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9233	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9501	QRL03EJ-333X	OMF RESISTOR	33kΩ 3W J	
R9502	QRL03EJ-333X	OMF RESISTOR	33kΩ 3W J	
R9503	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9504	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9505	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J	
R9506	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J	
R9507	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R9508	QRT02EJ-1R5X	MF RESISTOR	1.5Ω 2W J	
⚠R9509	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
R9512	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R9513	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9514	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9515	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R9516	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
R9517	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9518	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9541	QRL02EJ-152X	OMF RESISTOR	1.5kΩ 2W J	
R9542	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9544	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R9545	QRL02EJ-331X	OMF RESISTOR	330Ω 2W J	
R9546	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9626	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9902	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J	
R9903	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9905	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9906	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9907	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9908	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9909	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9910	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9911	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9912	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9913	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9915	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R9916	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9918	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9919	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9920	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9921	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9922	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9923	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
L9141	NQL52EN-4R7X	COIL	4.7uH N	
L9201	QQR1399-001	CHOKE COIL		
L9541	NQL52EM-220X	COIL	22uH M	
L9902	QQR1401-001	CHOKE COIL		
L9904	NQL63EM-470X	COIL	47uH M	
L9905	NQL80CL-100X	COIL	10uH L	
⚠T9121	QAL0515-001	POWER TRANSF		
⚠T9541	QQS0222-001	SW TRANSF		
CN0001	QGB2501J1-13	CONNECTOR	B-B (1-13)	
CN000A	QGA2001C2-13V	CONNECTOR	W-B (1-13)	
CN000B	QGA1501C2-13V	CONNECTOR	W-B (1-13)	
CN000F	QGA2001C2-04V	CONNECTOR	W-B (1-4)	
CN000G	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN000P	QGA1201C2-15X	CONNECTOR	W-B (1-15)	
CN000Q	QGA1201C2-15X	CONNECTOR	W-B (1-15)	
CN000Y	QGA2001C2-02V	CONNECTOR	W-B (1-2)	
CN000Z	QGA2001C2-02V	CONNECTOR	W-B (1-2)	
CN00PW	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠CP9121	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
⚠CP9211	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠F9001	QMF51D2-6R3-J1	FUSE	6.3A AC250V	
⚠H9211	LC32378-001A	HEAT SINK/AL-F/		
H9541	LC32377-001A	HEAT SINK/AL-F/		
H9901	CM42862-A0A	HEAT SINK ASSY		
H9902	LC31334-002A	HEAT SINK/AL-F/		
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9501	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9502	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9504	QQR0621-002Z	FERRITE BEADS		
K9505	QQR0621-002Z	FERRITE BEADS		
K9541	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9542	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9543	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9544	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9545	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9901	NQR0413-003X	FERRITE BEADS		

⚠Ref No.	Part No.	Part Name	Description	Local
⚠LF9001	QQR1281-004	LINE FILTER		
⚠LF9002	QQR1281-004	LINE FILTER		
⚠LF9003	QQR1376-001	LINE FILTER		
⚠PC9541	PC123Y22FZ	PHOTO COUPLER		
⚠PC9542	PC123Y22FZ	PHOTO COUPLER		
⚠RY9021	QSK0119-001	RELAY		
⚠RY9201	QSK0117-001	RELAY		
⚠VA9001	ERZV10V621CS	ZNR		

MSP P.W. BOARD ASS'Y (LCA90209-04B) (SMK-0A652A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC501	MSP3415DQGB3GHX	IC		
IC502	AN77L08-T	IC		
Q501	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q503	DTC144EKA-X	DIGI TRANSISTOR		
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C504	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C505	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C506	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C507	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C508	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C535	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C536	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C537	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C541	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C543	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R501	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R503	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R504	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R505	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L501	QQL244K-220Z	COIL	22uH K	
L502	QQL244K-180Z	COIL	18uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
L505	QQL244K-4R7Z	COIL	4.7uH K	
CN0AL	QGA1501C2-09V	CONNECTOR	W-B (1-9)	
CN0004	QGB2038K1-09	CONNECTOR	B-B (1-9)	
CN0005	QGB2038K1-09	CONNECTOR	B-B (1-9)	
CN00AM	QGA1501C2-11V	CONNECTOR	W-B (1-11)	
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
X501	QAX0773-001Z	CRYSTAL	18.432000MHz	

RECEIVER P.W. BOARD ASS'Y (LCA90212-02B) (SMK-0J652A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC		
IC401	CXA1875AM-X	IC		
IC6101	AN77L12-T	IC		
IC6401	TA8119P	IC		
IC6501	NJW1137M-W	IC		
IC6531	RC4558D-X	IC		
IC6551	RC4558D-X	IC		
IC6641	TA2024ASE-X	IC		
IC6701	M62320FP-X	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q401	KTA1267/YG/-T	TRANSISTOR		
Q402	KTA1267/YG/-T	TRANSISTOR		
Q403	UN2226-X	DIGI TRANSISTOR		
Q404	UN2226-X	DIGI TRANSISTOR		
Q405	UN2110-X	DIGI TRANSISTOR		
Q406	2SA1530A/QR/-X	SI TRANSISTOR		
Q407	2SC3928A/QR/-X	TRANSISTOR		
Q411	2SC3928A/QR/-X	TRANSISTOR		
Q412	2SC3928A/QR/-X	TRANSISTOR		
Q6401	UN2110-X	DIGI TRANSISTOR		
Q6402	UN2226-X	DIGI TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q6502	2SC3928A/QR/-X	TRANSISTOR		
Q6503	2SA1530A/QR/-X	SI TRANSISTOR		
Q6504	2SC3928A/QR/-X	TRANSISTOR		
Q6505	2SC3928A/QR/-X	TRANSISTOR		
Q6506	2SA1530A/QR/-X	SI TRANSISTOR		
Q6551	2SC3928A/QR/-X	TRANSISTOR		
Q6552	2SC3928A/QR/-X	TRANSISTOR		
Q6581	2SC3928A/QR/-X	TRANSISTOR		
Q6582	2SA1530A/QR/-X	SI TRANSISTOR		
Q6591	DTC323TK-X	DIGI TRANSISTOR		
Q6592	DTC323TK-X	DIGI TRANSISTOR		
Q6593	2SA1530A/QR/-X	SI TRANSISTOR		
Q6601	2SC3928A/QR/-X	TRANSISTOR		
Q6701	2SC3928A/QR/-X	TRANSISTOR		
Q6702	2SA1530A/QR/-X	SI TRANSISTOR		
Q6703	2SC3928A/QR/-X	TRANSISTOR		
Q6704	2SC3928A/QR/-X	TRANSISTOR		
Q6705	2SA1530A/QR/-X	SI TRANSISTOR		
D101	MA8100/M/-X	Z DIODE		
D102	MA8100/M/-X	Z DIODE		
D103	MA8100/M/-X	Z DIODE		
D104	MA8100/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D201	MA8100/M/-X	Z DIODE		
D202	MA8100/M/-X	Z DIODE		
D203	MA8100/M/-X	Z DIODE		
D204	MA8100/M/-X	Z DIODE		
D305	MA8100/M/-X	Z DIODE		
D411	MA8100/M/-X	Z DIODE		
D412	MA8100/M/-X	Z DIODE		
D416	MA111-X	SI DIODE		
D417	MA111-X	SI DIODE		
D6401	1SR35-400A-T2	SI DIODE		
D6541	MA8062/M/-X	Z DIODE		
D6561	MA111-X	SI DIODE		
D6562	MA111-X	SI DIODE		
D6571	MA111-X	SI DIODE		
D6572	MA111-X	SI DIODE		
D6573	MA111-X	SI DIODE		
D6574	MA111-X	SI DIODE		
D6581	MA111-X	SI DIODE		
D6582	MA111-X	SI DIODE		
D6583	MA111-X	SI DIODE		
D6584	MA111-X	SI DIODE		
D6585	MA111-X	SI DIODE		
D6641	D1FS4-X	SB DIODE		
D6642	D1FS4-X	SB DIODE		
D6643	D1FS4-X	SB DIODE		
D6644	D1FS4-X	SB DIODE		
D6701	MA111-X	SI DIODE		
D6702	MA111-X	SI DIODE		
C105	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C106	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C108	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C109	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C197	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C206	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C208	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C209	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C251	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C252	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C305	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C306	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C308	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C309	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C401	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C411	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C412	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C413	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C414	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C415	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C416	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C418	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C419	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C420	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C421	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C422	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C451	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C6101	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6102	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6104	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6402	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6403	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6404	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6405	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6407	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6408	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6409	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6410	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6422	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6504	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6505	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6506	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6507	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6508	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6509	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6510	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6513	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6514	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6515	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6517	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6518	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6519	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6520	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6522	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C6523	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6524	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6526	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6531	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6532	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6533	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6534	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6535	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6541	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6551	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6552	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6553	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6554	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6555	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6556	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6563	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6571	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6572	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6573	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6574	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6576	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6577	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6581	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6582	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6583	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6591	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6592	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6593	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6602	QETN1EM-337Z	E CAPACITOR	330uF 25V M	
C6603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6604	QETN1EM-337Z	E CAPACITOR	330uF 25V M	
C6605	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6606	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6622	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6623	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C6624	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C6641	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6642	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6643	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6644	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6645	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6646	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6647	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6648	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C6702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6704	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6705	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R140	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R195	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R196	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R197	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R198	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R251	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R254	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R256	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R257	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R259	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R304	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R305	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R401	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R402	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R403	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R417	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R420	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R421	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R422	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R423	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R424	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R425	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R426	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R430	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R432	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R433	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R434	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R450	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R451	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R452	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R453	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R454	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R455	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R456	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R457	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R458	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6403	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6404	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6406	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6408	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6409	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6503	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6504	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6505	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6506	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6508	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6509	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6510	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6511	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6513	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6516	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6517	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6518	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6531	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6532	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6536	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6541	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6551	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R6552	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R6553	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6554	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6556	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6557	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6558	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6559	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6561	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R6562	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6565	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6571	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6572	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6573	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6574	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6575	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6576	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6579	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6581	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6582	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6583	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6584	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6585	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6586	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6587	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6591	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6592	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6593	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6594	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6597	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6601	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R6604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6621	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6622	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6623	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6641	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R6642	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R6701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6718	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6719	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6720	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6724	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6727	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R6728	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6729	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6730	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6731	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6733	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6734	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6735	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
L6641	QQL28AM-100	COIL	10uH M	
L6642	QQL28AM-100	COIL	10uH M	
L6643	QQL28AM-100	COIL	10uH M	
L6644	QQL28AM-100	COIL	10uH M	
CN000F	QGA2001C2-04V	CONNECTOR	W-B (1-4)	
CN000G	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN000J	QGA1501C2-06V	CONNECTOR	W-B (1-6)	
CN000K	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN000N	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN000S	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN000U	QGA1501C2-04V	CONNECTOR	W-B (1-4)	
CN00AL	QGA1501C2-09V	CONNECTOR	W-B (1-9)	
J101	QND0102-001	S JACK	VIDEO1 S IN	
J102	QNN0370-001	PIN JACK	VIDEO1 V/L/R IN	
J201	QND0102-001	S JACK	VIDEO2 S IN	
J202	QNN0370-001	PIN JACK	VIDEO2 V/L/R IN	
J302	QNN0370-001	PIN JACK	VIDEO3 V/L/R IN	
J401	QND0102-001	S JACK	MONI_OUT S OUT	
J402	QNN0370-001	PIN JACK	MONI_OUT V/L/R OUT	
K6101	NQR0413-002X	FERRITE BEADS		
K6591	NQR0413-002X	FERRITE BEADS		
K6592	NQR0413-002X	FERRITE BEADS		
K6641	NQR0413-002X	FERRITE BEADS		
K6642	NQR0413-002X	FERRITE BEADS		
K6643	NQR0413-002X	FERRITE BEADS		
K6644	NQR0413-002X	FERRITE BEADS		
TH6601	NAD0035-471X	P THERMISTOR	470Ω	

FRONT SENSOR P.W. BOARD ASS'Y (LCA90211-01B) (SMK-0L602A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8752	GP1UM281QK	IR DETECT UNIT	38kHz	
C8752	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
R8756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CN8003	QGB2542J1-08	CONNECTOR	B-B (1-8)	

FRONT CONTROL P.W. BOARD ASS'Y (LCA90210-01B) (SMK-0L601A)

⚠Ref No.	Part No.	Part Name	Description	Local
Q8701	UN2212-X	TRANSISTOR		
Q8702	UN2212-X	TRANSISTOR		
D6411	MA8062/M/-X	Z DIODE		
D6412	MA8062/M/-X	Z DIODE		
D6413	MA8062/M/-X	Z DIODE		
D8702	LSR22440-T16	LED	POWER	
C6411	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6412	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6413	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C6414	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C6415	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C6416	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
R6411	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R8701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R8703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R8704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R8711	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8713	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R8714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN3003	QGB2542K1-08	CONNECTOR	B-B (1-8)	
CN300T	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN300U	QGA1501C2-04V	CONNECTOR	W-B (1-4)	
J6401	QMS3004-C01	H.P.JACK	HEADPHONE	
S8701	QSW0797-001	TACT SWITCH	CH+	
S8702	QSW0797-001	TACT SWITCH	CH-	
S8703	QSW0797-001	TACT SWITCH	VOL+	
S8704	QSW0797-001	TACT SWITCH	VOL-	
S8705	QSW0797-001	TACT SWITCH	TV/AV	
S8706	QSW0797-001	TACT SWITCH	MENU/OK	
S8707	QSW0797-001	TACT SWITCH	POWER	

TUNER P.W. BOARD ASS'Y (LCA90213-02B) (SMK-0R652A)

⚠Ref No.	Part No.	Part Name	Description	Local
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C005	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C011	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C015	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C016	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L001	NQL034K-220X	P COIL	22uH K	
L002	NQL034K-100X	P COIL	10uH K	
L004	NQL034K-100X	P COIL	10uH K	
CN004	QGB2038J1-09	CONNECTOR	B-B (1-9)	
CN005	QGB2038J1-09	CONNECTOR	B-B (1-9)	
TU001	QAU0197-002	TUNER		

MI-COM & DIST P.W. BOARD ASS'Y (LCA10331-06C) (SMK-0Z654A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC	128pin	
IC002	S-80828CNNB-W	IC		
IC003	K4S641632H-TC75	IC(DIGITAL)		
IC004	MBV160-Z32S2	IC(MICRO C ROM)	(SERVICE)	
IC006	AT24C64-Z32S2	IC	(SERVICE)	
IC007	TC7WH126FU-X	IC		
IC008	PQ2L3252MS-X	IC		
IC301	R1170H251B-X	IC		
IC302	UPD64083GF	IC	100pin	
IC401	JCC5056A	IC	256pin	
IC404	LC4128V-75T100C	IC	100pin	
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N/-XE	IC		
IC704	BA05FP-X	IC		
IC1201	TC90A90FG	IC	100pin	
IC1202	MSM514265E-60TS	IC		
IC1203	TC7WH34FU-X	IC		
IC1204	TLC2932IPW-X	IC		
IC1205	TC4053BF/N/-XE	IC		
IC1206	BU2098F-X	IC		
IC1207	TC7WH157FU-X	IC		
IC1208	TC7WH157FU-X	IC		
IC1901	PQ070XH02Z-W	IC		
IC1904	PQ033DZ01Z-X	IC		
IC4001	AD80058	IC		
IC4013	TC7WH34FU-X	IC		
IC4101	TMC57128GJG	IC	264pin	
IC4102	HY5DU283222AQ-5	IC	100pin	
IC4103	MBV400TC90PFN42	IC(MICRO C ROM)		
IC4104	SN74AHC2G74T-X	IC		
IC4105	TC7S08F-X	IC(DIGITAL)		
IC4106	S-80828CLNB-W	IC		
IC4107	LP3964EMP-ADJ-X	IC		
IC4108	LP3964EMP-ADJ-X	IC		
IC4201	JCC5054	IC	256pin	
IC4203	R1170H151B-X	IC		
IC7301	MN82860	IC	208pin	
IC7601	THC63LVDM83R-W	IC		
IC7805	AT24C08-Z32S2	IC	(SERVICE)	
IC7807	HD6433684A35FP	IC(MCU)		
IC7809	S-80828CLNB-W	IC		
Q001	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q004	DTC124EKA-X	DIGI TRANSISTOR		
Q007	2SA1530A/QR/-X	SI TRANSISTOR		
Q008	2SA1530A/QR/-X	SI TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1830-X	MOS FET		
Q014	2SK1830-X	MOS FET		
Q015	2SK1830-X	MOS FET		
Q016	DTC124EKA-X	DIGI TRANSISTOR		
Q017	DTC124EKA-X	DIGI TRANSISTOR		
Q018	2SA1022/BC/-X	TRANSISTOR		
Q019	2SA1022/BC/-X	TRANSISTOR		
Q020	2SA1022/BC/-X	TRANSISTOR		
Q331	2SA1037AK/QR/-X	TRANSISTOR		
Q332	2SC2412K/QR/-X	TRANSISTOR		
Q333	2SA1037AK/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q353	2SA1037AK/QR/-X	TRANSISTOR		
Q354	2SA1037AK/QR/-X	TRANSISTOR		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q707	2SA1037AK/QR/-X	TRANSISTOR		
Q711	2SC2412K/QR/-X	TRANSISTOR		
Q712	2SC2412K/QR/-X	TRANSISTOR		
Q713	2SC2412K/QR/-X	TRANSISTOR		
Q714	2SC2412K/QR/-X	TRANSISTOR		
Q715	2SC2412K/QR/-X	TRANSISTOR		
Q716	2SC2412K/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q791	2SC2412K/QR/-X	TRANSISTOR		
Q792	2SC2412K/QR/-X	TRANSISTOR		
Q793	DTC124EKA-X	DIGI TRANSISTOR		
Q1101	2SC2412K/QR/-X	TRANSISTOR		
Q1102	2SC2412K/QR/-X	TRANSISTOR		
Q1103	2SA1037AK/QR/-X	TRANSISTOR		
Q1104	2SC2412K/QR/-X	TRANSISTOR		
Q1105	2SA1037AK/QR/-X	TRANSISTOR		
Q1106	2SC2412K/QR/-X	TRANSISTOR		
Q1107	DTC124EKA-X	DIGI TRANSISTOR		
Q1201	2SC2412K/QR/-X	TRANSISTOR		
Q1202	2SC2412K/QR/-X	TRANSISTOR		
Q1203	2SA1037AK/QR/-X	TRANSISTOR		
Q1205	2SC2412K/QR/-X	TRANSISTOR		
Q1206	2SC2412K/QR/-X	TRANSISTOR		
Q1207	2SA1037AK/QR/-X	TRANSISTOR		
Q1209	2SC2412K/QR/-X	TRANSISTOR		
Q1210	2SC2412K/QR/-X	TRANSISTOR		
Q1211	2SA1037AK/QR/-X	TRANSISTOR		
Q1215	DTC124EKA-X	DIGI TRANSISTOR		
Q4001	2SC3837K/NP/-X	TRANSISTOR		
Q4002	2SA1022/BC/-X	TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description	Local
Q4003	IMX1-XW	PAIR TRANSISTOR		
Q4005	2SC3837K/NP/-X	TRANSISTOR		
Q4006	2SA1022/BC/-X	TRANSISTOR		
Q4007	IMX1-XW	PAIR TRANSISTOR		
Q4008	2SC3837K/NP/-X	TRANSISTOR		
Q4009	2SA1022/BC/-X	TRANSISTOR		
Q4010	IMX1-XW	PAIR TRANSISTOR		
Q7301	2SA1022/BC/-X	TRANSISTOR		
Q7302	2SA1022/BC/-X	TRANSISTOR		
Q7303	2SA1022/BC/-X	TRANSISTOR		
Q7601	2SC3928A/QR/-X	TRANSISTOR		
Q7801	2SC3928A/QR/-X	TRANSISTOR		
Q7803	2SC3928A/QR/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	RSA6.1J4-W	SI DIODE		
D006	RSA6.1J4-W	SI DIODE		
D1901	D1FS4-X	SB DIODE		
D1902	PTZ11B-X	Z DIODE		
D1904	PTZ6.8B-X	Z DIODE		
D7803	MA111-X	SI DIODE		
D7804	MA3056/M/-X	Z DIODE		
C001	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C002	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C003	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C005	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C006	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C007	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C060	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C074	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C078	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C079	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C333	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C334	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C335	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C336	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C352	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C354	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C356	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C404	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C415	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C462	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C463	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C730	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C731	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C732	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C734	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C741	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C742	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C743	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C744	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C745	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C746	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH91CM-476X	E CAPACITOR	47uF 16V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C791	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C792	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C1001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C1004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C1005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1101	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C1102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C1103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1111	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1201	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1202	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1203	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1204	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1207	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1208	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1209	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1210	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1211	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1212	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1213	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1221	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1222	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1223	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1224	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1225	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1227	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1228	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1229	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1230	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C1231	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1232	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1233	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1234	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1235	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1236	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1237	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1238	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1239	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1240	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1241	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1243	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1244	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1245	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1246	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1247	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1248	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1249	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1250	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1251	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C1252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1253	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1261	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1302	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1303	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C1304	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1321	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1901	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1902	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1906	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C1911	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1912	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1913	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C1917	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1918	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1919	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C4002	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4005	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4006	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4012	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4014	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4015	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4019	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4021	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4022	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4025	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4026	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4027	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4028	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4032	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C4033	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C4034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4045	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4046	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4063	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C4302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C4307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C4314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4348	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C4349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C4360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4391	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C4402	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4421	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C4422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4424	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7301	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7302	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7313	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7336	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7338	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7339	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7340	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7341	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7342	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7343	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7344	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7345	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7346	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7601	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7602	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7609	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7810	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7815	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7821	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C7832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R043	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R044	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R046	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R048	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R050	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R091	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R092	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R093	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R094	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R104	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R152	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R153	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R154	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R180	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R181	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R195	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R331	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R333	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R334	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R338	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R339	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R340	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R342	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D	
R343	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R353	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R354	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R358	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R359	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R362	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R363	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R409	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R411	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R413	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R421	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R425	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R437	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R438	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R439	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R440	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R481	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R482	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R483	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R484	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R485	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R486	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R711	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R712	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R713	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R714	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R715	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R722	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R728	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R731	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R732	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R733	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R734	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R735	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R736	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R737	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R738	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R739	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R740	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R741	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R742	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R743	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R744	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R745	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R746	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R747	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R756	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R758	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R770	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1109	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R1110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1201	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1202	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1203	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1204	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1206	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1209	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1210	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1211	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1215	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1216	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1217	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1218	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1219	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1220	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1221	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1222	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1223	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1224	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1228	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1229	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1230	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1232	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1233	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1234	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1235	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1236	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1237	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1252	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1254	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1255	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1257	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1258	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1260	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1271	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1272	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1273	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1274	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1275	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1276	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1277	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1278	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1279	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1280	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1281	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1282	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1285	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1287	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1312	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1331	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
R1333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1901	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1902	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1903	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R1906	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4005	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4006	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4008	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4011	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4012	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4020	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4023	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4026	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4027	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4028	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4033	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4036	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4038	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4039	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4048	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4053	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4096	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4121	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4122	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4123	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4124	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4125	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4126	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4251	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4252	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4253	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4254	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4255	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4256	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4257	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4258	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4259	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4260	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4261	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4262	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4263	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4264	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4265	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4266	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4267	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4268	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4269	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4270	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4271	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4272	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4273	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4274	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4275	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4276	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4277	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4278	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4279	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4280	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4281	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4282	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4337	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4338	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4362	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4363	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4364	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R4365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4366	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R4367	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4368	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R4371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4379	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R4444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4450	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4474	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R4475	NRSA02D-103X	MG RESISTOR	10kΩ 1/10W D	
R4490	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4491	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R4492	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4493	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4494	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4495	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4496	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4497	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4498	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4499	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7307	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7316	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R7317	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7319	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7320	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7325	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7332	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7621	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7624	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7629	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7630	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7855	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7858	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7870	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7872	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7888	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7893	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7894	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7940	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7941	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7944	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7945	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7946	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7947	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7948	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RA7301	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7302	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7303	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7304	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7305	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7306	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
RA7606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L302	NQL092K-3R3X	P COIL	3.3uH K	
L331	NQL092K-6R8X	P COIL	6.8uH K	
L351	NQL092K-100X	P COIL	10uH K	
L402	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L1001	NQR0413-003X	FERRITE BEADS		
L1002	NQR0413-003X	FERRITE BEADS		
L1004	NQR0413-003X	FERRITE BEADS		
L1005	NQR0413-003X	FERRITE BEADS		
L1006	NQR0413-003X	FERRITE BEADS		
L1101	NQL092K-6R8X	P COIL	6.8uH K	
L1201	NQL092M-180X	P COIL	18uH M	
L1202	NQL085J-101X	COIL	100uH J	
L1203	NQL085J-101X	COIL	100uH J	
L1205	NQR0413-003X	FERRITE BEADS		
L1901	NQL52EM-220X	COIL	22uH M	
L1902	NQL52EM-220X	COIL	22uH M	
L1903	NQL52EM-220X	COIL	22uH M	
L1905	NQL80CL-100X	COIL	10uH L	
L4001	NQL092K-2R2X	P COIL	2.2uH K	
L4002	NQL092K-2R2X	P COIL	2.2uH K	
L4003	NQL092K-2R2X	P COIL	2.2uH K	
L4025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4026	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4027	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4028	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4101	NQR0413-003X	FERRITE BEADS		
L4102	NQR0413-003X	FERRITE BEADS		
L4104	NQR0413-003X	FERRITE BEADS		
L4107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4203	NQR0413-003X	FERRITE BEADS		
L4207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7301	NQR0351-003X	FERRITE BEADS		
L7302	NQR0351-003X	FERRITE BEADS		
L7303	NQL092K-R10X	P COIL	0.1uH K	
L7304	NQL092K-R10X	P COIL	0.1uH K	
L7305	NQL092K-R10X	P COIL	0.1uH K	
L7306	NQL092K-2R2X	P COIL	2.2uH K	
L7307	NQL092K-2R2X	P COIL	2.2uH K	
L7308	NQL092K-2R2X	P COIL	2.2uH K	
L7601	NQR0351-001X	FERRITE BEADS		
L7602	NQR0504-001X	EMI FILTER		
L7603	NQR0504-001X	EMI FILTER		
L7604	NQR0504-001X	EMI FILTER		
L7605	NQR0351-001X	FERRITE BEADS		
L7802	NQR0351-001X	FERRITE BEADS		
CN00H	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN00J	QGA1501C2-06V	CONNECTOR	W-B (1-6)	
CN0AH	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN000A	QGA2001C2-13V	CONNECTOR	W-B (1-13)	
CN000B	QGA1501C2-13V	CONNECTOR	W-B (1-13)	
CN000K	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN000T	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN000W	QGA1501C2-04V	CONNECTOR	W-B (1-4)	
CN000X	QGA1211C2-31X	CONNECTOR	W-B (1-31)	
CN00AM	QGA1501C2-11V	CONNECTOR	W-B (1-11)	

⚠Ref No.	Part No.	Part Name	Description	Local
CN00C1	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C3	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C4	QGA1501F2-08V	CONNECTOR	W-B (1-8)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K004	NQR0389-003X	FERRITE BEADS		
K1203	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1204	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4301	NQR0413-003X	FERRITE BEADS		
K4302	NQR0413-003X	FERRITE BEADS		
K7302	NQL79GM-220X	COIL	22uH M	
K7303	NQR0351-003X	FERRITE BEADS		
K7801	NQR0351-001X	FERRITE BEADS		
K7803	NQR0351-001X	FERRITE BEADS		
K7804	NQR0351-001X	FERRITE BEADS		
LC001	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC002	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC007	NQR0479-001X	EMI FILTER		
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC013	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC015	NQR0479-001X	EMI FILTER		
LC016	NQR0479-001X	EMI FILTER		
LC017	NQR0479-001X	EMI FILTER		
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC036	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC037	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC038	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC108	NQR0479-001X	EMI FILTER		
LC109	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC301	NQR0450-004X	EMI FILTER	100pF 50V M	
LC1051	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1052	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1053	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1201	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1202	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1203	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1204	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1205	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1206	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1301	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1305	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1306	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1307	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1308	NQR0479-001X	EMI FILTER		
LC1309	NQR0479-001X	EMI FILTER		
LC1310	NQR0479-001X	EMI FILTER		
X001	NAX0644-001X	CRYSTAL	6.000000MHz	
X301	NAX0118-001X	CRYSTAL	20.000MHz	
X701	NAX0621-001X	CRYSTAL	16.200MHz	
X4101	NAX0636-001X	CXO	10.000MHz	
X4201	NAX0637-001X	CXO	74.1758MHz	
X7801	NAX0497-001X	C RESONATOR	10.000MHz	

PRINTED WIRING BOARD PARTS LIST [LT-Z32S2/A]

VIDEO P.W. BOARD ASS'Y (LCA90207-03B) (SMK-1652A)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

REGULATOR P.W. BOARD ASS'Y (LCA90150-09D) (SMK-9614A)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (LCA90149-08F) (SMK-9604A)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

MSP P.W. BOARD ASS'Y (LCA90209-04B) (SMK-0A652A)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

RECEIVER P.W. BOARD ASS'Y (LCA90212-02B) (SMK-0J652A)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT SENSOR P.W. BOARD ASS'Y (LCA90211-01B) (SMK-0L602A)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (LCA90210-01B) (SMK-0L601A)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (LCA90213-02B) (SMK-0R652A)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

MI-COM & DIST P.W. BOARD ASS'Y (LCA10331-08C) (SMK-0Z656A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		128pin
IC002	S-80828CNNB-W	IC		
IC003	K4S641632H-TC75	IC(DIGITAL)		
IC004	MBV160-Z32S2	IC(MICRO C ROM)		(SERVICE)
IC006	AT24C64-Z32S2	IC		(SERVICE)
IC007	TC7WH126FU-X	IC		
IC008	PQ2L3252MS-X	IC		
IC301	R1170H251B-X	IC		
IC302	UPD64083GF	IC		100pin
IC401	JCC5056A	IC		256pin
IC404	LC4128V-75T100C	IC		100pin
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N/-XE	IC		
IC704	BA05FP-X	IC		
IC1201	TC90A90FG	IC		100pin
IC1202	MSM514265E-60TS	IC		
IC1203	TC7WH34FU-X	IC		
IC1204	TLC2932IPW-X	IC		
IC1205	TC4053BF/N/-XE	IC		
IC1206	BU2098F-X	IC		
IC1207	TC7WH157FU-X	IC		
IC1208	TC7WH157FU-X	IC		
IC1901	PQ070XH02Z-W	IC		
IC1904	PQ033DZ01Z-X	IC		
IC4001	AD80058	IC		
IC4013	TC7WH34FU-X	IC		
IC4101	TMC57128GJG	IC		264pin
IC4102	HY5DU283222AQ-5	IC		100pin
IC4103	MBV400TC90PFN42	IC(MICRO C ROM)		
IC4104	SN74AHC2G74T-X	IC		
IC4105	TC7S08F-X	IC(DIGITAL)		
IC4106	S-80828CLNB-W	IC		
IC4107	LP3964EMP-ADJ-X	IC		
IC4108	LP3964EMP-ADJ-X	IC		
IC4201	JCC5054	IC		256pin
IC4203	R1170H151B-X	IC		
IC7301	MN82860	IC		208pin
IC7601	THC63LVDM83R-W	IC		
IC7805	AT24C08-Z32S2	IC		(SERVICE)
IC7807	HD6433684A35FP	IC(MCU)		
IC7809	S-80828CLNB-W	IC		
Q001	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q004	DTC124EKA-X	DIGI TRANSISTOR		
Q007	2SA1530A/QR/-X	SI TRANSISTOR		
Q008	2SA1530A/QR/-X	SI TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1830-X	MOS FET		
Q014	2SK1830-X	MOS FET		
Q015	2SK1830-X	MOS FET		
Q016	DTC124EKA-X	DIGI TRANSISTOR		
Q017	DTC124EKA-X	DIGI TRANSISTOR		
Q018	2SA1022/BC/-X	TRANSISTOR		
Q019	2SA1022/BC/-X	TRANSISTOR		
Q020	2SA1022/BC/-X	TRANSISTOR		
Q331	2SA1037AK/QR/-X	TRANSISTOR		
Q332	2SC2412K/QR/-X	TRANSISTOR		
Q333	2SA1037AK/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q353	2SA1037AK/QR/-X	TRANSISTOR		
Q354	2SA1037AK/QR/-X	TRANSISTOR		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q707	2SA1037AK/QR/-X	TRANSISTOR		
Q711	2SC2412K/QR/-X	TRANSISTOR		
Q712	2SC2412K/QR/-X	TRANSISTOR		
Q713	2SC2412K/QR/-X	TRANSISTOR		
Q714	2SC2412K/QR/-X	TRANSISTOR		
Q715	2SC2412K/QR/-X	TRANSISTOR		
Q716	2SC2412K/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q791	2SC2412K/QR/-X	TRANSISTOR		
Q792	2SC2412K/QR/-X	TRANSISTOR		
Q793	DTC124EKA-X	DIGI TRANSISTOR		
Q1101	2SC2412K/QR/-X	TRANSISTOR		
Q1102	2SC2412K/QR/-X	TRANSISTOR		
Q1103	2SA1037AK/QR/-X	TRANSISTOR		
Q1104	2SC2412K/QR/-X	TRANSISTOR		
Q1105	2SA1037AK/QR/-X	TRANSISTOR		
Q1106	2SC2412K/QR/-X	TRANSISTOR		
Q1107	DTC124EKA-X	DIGI TRANSISTOR		
Q1201	2SC2412K/QR/-X	TRANSISTOR		
Q1202	2SC2412K/QR/-X	TRANSISTOR		
Q1203	2SA1037AK/QR/-X	TRANSISTOR		
Q1205	2SC2412K/QR/-X	TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description	Local
Q1206	2SC2412K/QR/-X	TRANSISTOR		
Q1207	2SA1037AK/QR/-X	TRANSISTOR		
Q1209	2SC2412K/QR/-X	TRANSISTOR		
Q1210	2SC2412K/QR/-X	TRANSISTOR		
Q1211	2SA1037AK/QR/-X	TRANSISTOR		
Q1215	DTC124EKA-X	DIGI TRANSISTOR		
Q4001	2SC3837K/NP/-X	TRANSISTOR		
Q4002	2SA1022/BC/-X	TRANSISTOR		
Q4003	IMX1-XW	PAIR TRANSISTOR		
Q4005	2SC3837K/NP/-X	TRANSISTOR		
Q4006	2SA1022/BC/-X	TRANSISTOR		
Q4007	IMX1-XW	PAIR TRANSISTOR		
Q4008	2SC3837K/NP/-X	TRANSISTOR		
Q4009	2SA1022/BC/-X	TRANSISTOR		
Q4010	IMX1-XW	PAIR TRANSISTOR		
Q7301	2SA1022/BC/-X	TRANSISTOR		
Q7302	2SA1022/BC/-X	TRANSISTOR		
Q7303	2SA1022/BC/-X	TRANSISTOR		
Q7601	2SC3928A/QR/-X	TRANSISTOR		
Q7801	2SC3928A/QR/-X	TRANSISTOR		
Q7803	2SC3928A/QR/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	RSA6.1J4-W	SI DIODE		
D006	RSA6.1J4-W	SI DIODE		
D1901	D1FS4-X	SB DIODE		
D1902	PTZ11B-X	Z DIODE		
D1904	PTZ6.8B-X	Z DIODE		
D7803	MA111-X	SI DIODE		
D7804	MA3056/M/-X	Z DIODE		
C001	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C002	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C003	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C005	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C006	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C007	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C060	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C074	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C078	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C079	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C333	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C334	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C335	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C336	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C352	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C354	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C356	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C404	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C415	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C462	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C463	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C730	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C731	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C732	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C734	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C741	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C742	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C743	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C744	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C745	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C746	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C791	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C792	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C1001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C1004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C1005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1101	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C1102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C1103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1111	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1201	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1202	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1203	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1204	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1207	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1208	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1209	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1210	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1211	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1212	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1213	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1221	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1222	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1223	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1224	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1225	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1227	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1228	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1229	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1230	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1231	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1232	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1233	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1234	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1235	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1236	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1237	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1238	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1239	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1240	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1241	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1243	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1244	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1245	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1246	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1247	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1248	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1249	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1250	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1251	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C1252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1253	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1261	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1302	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1303	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C1304	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1321	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1901	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1902	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1906	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C1911	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1912	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1913	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C1917	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1918	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1919	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C4002	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4005	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4006	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4012	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4014	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4015	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4019	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4021	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4022	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4025	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4026	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4027	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4028	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4032	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C4033	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C4034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4045	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4046	NCB11AK-106X	C CAPACITOR	10uF 10V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C4063	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C4302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C4314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4348	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C4349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C4360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4391	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C4402	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4421	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C4422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4424	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7301	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7302	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7313	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7336	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7338	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7339	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7340	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7341	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7342	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7343	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7344	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7345	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7346	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7601	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7602	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7609	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7810	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7815	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7821	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C7832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R043	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R044	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R046	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R048	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R050	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R091	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R092	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R093	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R094	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R104	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R152	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R153	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R154	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R180	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R181	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R195	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R331	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R333	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R334	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R338	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R339	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R340	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R342	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D	
R343	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R353	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R354	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R358	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R359	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R362	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R363	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R409	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R411	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R413	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R421	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R425	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R437	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R438	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R439	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R440	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R481	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R482	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R483	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R484	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R485	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R486	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R711	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R712	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R713	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R714	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R715	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R722	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R728	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R731	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R732	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R733	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R734	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R735	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R736	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R737	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R738	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R739	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R740	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R741	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R742	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R743	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R744	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R745	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R746	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R747	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R756	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R758	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R770	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1109	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R1110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1201	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1202	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1203	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1204	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1206	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1209	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1210	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1211	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1215	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1216	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1217	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1218	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1219	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1220	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1221	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1222	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1223	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1224	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1228	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1229	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1230	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1232	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1233	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1234	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1235	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1236	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1237	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1252	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1254	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1255	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1257	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1258	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1260	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1271	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1272	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1273	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1274	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1275	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1276	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1277	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1278	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1279	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1280	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1281	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1282	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1285	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1287	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1312	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1331	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
R1333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1901	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1902	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1903	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R1906	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4005	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4006	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4008	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4011	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4012	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4020	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4023	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4026	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4027	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4028	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4033	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4036	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4038	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4039	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4048	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4053	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4096	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4121	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4122	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4123	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4124	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4125	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4126	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4251	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4252	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4253	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4254	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4255	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4256	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4257	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4258	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4259	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4260	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4261	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4262	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4263	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4264	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4265	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4266	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4267	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4268	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4269	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4270	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4271	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4272	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4273	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4274	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4275	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4276	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4277	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4278	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4279	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4280	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4281	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4282	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4337	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4338	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4362	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4363	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4364	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R4365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4366	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R4367	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4368	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R4371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4379	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R4424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4450	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4474	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R4475	NRSA02D-103X	MG RESISTOR	10kΩ 1/10W D	
R4490	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4491	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R4492	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4493	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4494	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4495	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4496	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4497	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4498	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4499	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7307	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7316	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R7317	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7319	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7320	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7325	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7332	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7621	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7624	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7629	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7630	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7855	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7858	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7870	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7872	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7888	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7893	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7894	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7940	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7941	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7944	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7945	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7946	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7947	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7948	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RA7301	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7302	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7303	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
RA7304	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7305	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7306	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L302	NQL092K-3R3X	P COIL	3.3uH K	
L331	NQL092K-6R8X	P COIL	6.8uH K	
L351	NQL092K-100X	P COIL	10uH K	
L402	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L1001	NQR0413-003X	FERRITE BEADS		
L1002	NQR0413-003X	FERRITE BEADS		
L1004	NQR0413-003X	FERRITE BEADS		
L1005	NQR0413-003X	FERRITE BEADS		
L1006	NQR0413-003X	FERRITE BEADS		
L1101	NQL092K-6R8X	P COIL	6.8uH K	
L1201	NQL092M-180X	P COIL	18uH M	
L1202	NQL085J-101X	COIL	100uH J	
L1203	NQL085J-101X	COIL	100uH J	
L1205	NQR0413-003X	FERRITE BEADS		
L1901	NQL52EM-220X	COIL	22uH M	
L1902	NQL52EM-220X	COIL	22uH M	
L1903	NQL52EM-220X	COIL	22uH M	
L1905	NQL80CL-100X	COIL	10uH L	
L4001	NQL092K-2R2X	P COIL	2.2uH K	
L4002	NQL092K-2R2X	P COIL	2.2uH K	
L4003	NQL092K-2R2X	P COIL	2.2uH K	
L4025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4026	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4027	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4028	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4101	NQR0413-003X	FERRITE BEADS		
L4102	NQR0413-003X	FERRITE BEADS		
L4104	NQR0413-003X	FERRITE BEADS		
L4107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4203	NQR0413-003X	FERRITE BEADS		
L4207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7301	NQR0351-003X	FERRITE BEADS		
L7302	NQR0351-003X	FERRITE BEADS		
L7303	NQL092K-R10X	P COIL	0.1uH K	
L7304	NQL092K-R10X	P COIL	0.1uH K	
L7305	NQL092K-R10X	P COIL	0.1uH K	
L7306	NQL092K-2R2X	P COIL	2.2uH K	
L7307	NQL092K-2R2X	P COIL	2.2uH K	
L7308	NQL092K-2R2X	P COIL	2.2uH K	
L7601	NQR0351-001X	FERRITE BEADS		
L7602	NQR0504-001X	EMI FILTER		
L7603	NQR0504-001X	EMI FILTER		
L7604	NQR0504-001X	EMI FILTER		
L7605	NQR0351-001X	FERRITE BEADS		
L7802	NQR0351-001X	FERRITE BEADS		
CN00H	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN00J	QGA1501C2-06V	CONNECTOR	W-B (1-6)	
CN0AH	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN000A	QGA2001C2-13V	CONNECTOR	W-B (1-13)	
CN000B	QGA1501C2-13V	CONNECTOR	W-B (1-13)	
CN000K	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN000T	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN000W	QGA1501C2-04V	CONNECTOR	W-B (1-4)	
CN000X	QGA1211C2-31X	CONNECTOR	W-B (1-31)	
CN00AM	QGA1501C2-11V	CONNECTOR	W-B (1-11)	
CN00C1	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C3	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C4	QGA1501F2-08V	CONNECTOR	W-B (1-8)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K004	NQR0389-003X	FERRITE BEADS		
K1203	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1204	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4301	NQR0413-003X	FERRITE BEADS		
K4302	NQR0413-003X	FERRITE BEADS		
K7302	NQL79GM-220X	COIL	22uH M	
K7303	NQR0351-003X	FERRITE BEADS		
K7801	NQR0351-001X	FERRITE BEADS		
K7803	NQR0351-001X	FERRITE BEADS		
K7804	NQR0351-001X	FERRITE BEADS		
LC001	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC002	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC007	NQR0479-001X	EMI FILTER		
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC013	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC015	NQR0479-001X	EMI FILTER		
LC016	NQR0479-001X	EMI FILTER		
LC017	NQR0479-001X	EMI FILTER		
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC036	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC037	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC038	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC108	NQR0479-001X	EMI FILTER		
LC109	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC301	NQR0450-004X	EMI FILTER	100pF 50V M	
LC1051	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1052	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1053	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1201	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1202	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1203	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1204	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1205	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1206	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1301	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1305	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1306	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1307	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1308	NQR0479-001X	EMI FILTER		
LC1309	NQR0479-001X	EMI FILTER		
LC1310	NQR0479-001X	EMI FILTER		
X001	NAX0644-001X	CRYSTAL	6.000000MHz	
X301	NAX0118-001X	CRYSTAL	20.000MHz	
X701	NAX0621-001X	CRYSTAL	16.200MHz	
X4101	NAX0636-001X	CXO	10.000MHz	
X4201	NAX0637-001X	CXO	74.1758MHz	
X7801	NAX0497-001X	C RESONATOR	10.000MHz	

PRINTED WIRING BOARD PARTS LIST [LT-Z32S2/S]

VIDEO P.W. BOARD ASS'Y (LCA90207-03B) (SMK-1652A)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

REGULATOR P.W. BOARD ASS'Y (LCA90150-09D) (SMK-9614A)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (LCA90149-08F) (SMK-9604A)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

MSP P.W. BOARD ASS'Y (LCA90209-04B) (SMK-0A652A)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

RECEIVER P.W. BOARD ASS'Y (LCA90212-02B) (SMK-0J652A)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT SENSOR P.W. BOARD ASS'Y (LCA90211-01B) (SMK-0L602A)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (LCA90210-01B) (SMK-0L601A)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (LCA90213-02B) (SMK-0R652A)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

MI-COM & DIST P.W. BOARD ASS'Y (LCA10331-07C) (SMK-0Z655A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		128pin
IC002	S-80828CNNB-W	IC		
IC003	K4S641632H-TC75	IC(DIGITAL)		
IC004	MBV160-Z32S2	IC(MICRO C ROM)		(SERVICE)
IC006	AT24C64-Z32S2	IC		(SERVICE)
IC007	TC7WH126FU-X	IC		
IC008	PQ2L3252MS-X	IC		
IC301	R1170H251B-X	IC		
IC302	UPD64083GF	IC		100pin
IC401	JCC5056A	IC		256pin
IC404	LC4128V-75T100C	IC		100pin
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N/-XE	IC		
IC704	BA05FP-X	IC		
IC1201	TC90A90FG	IC		100pin
IC1202	MSM514265E-60TS	IC		
IC1203	TC7WH34FU-X	IC		
IC1204	TLC2932IPW-X	IC		
IC1205	TC4053BF/N/-XE	IC		
IC1206	BU2098F-X	IC		
IC1207	TC7WH157FU-X	IC		
IC1208	TC7WH157FU-X	IC		
IC1901	PQ070XH02Z-W	IC		
IC1904	PQ033DZ01Z-X	IC		
IC4001	AD80058	IC		100pin
IC4013	TC7WH34FU-X	IC		
IC4101	TMC57128GJG	IC		264pin
IC4102	HY5DU283222AQ-5	IC		100pin
IC4103	MBV400TC90PFN42	IC(MICRO C ROM)		
IC4104	SN74AHC2G74T-X	IC		
IC4105	TC7S08F-X	IC(DIGITAL)		
IC4106	S-80828CLNB-W	IC		
IC4107	LP3964EMP-ADJ-X	IC		
IC4108	LP3964EMP-ADJ-X	IC		
IC4201	JCC5054	IC		256pin
IC4203	R1170H151B-X	IC		
IC7301	MN82860	IC		208pin
IC7601	THC63LVDM83R-W	IC		
IC7805	AT24C08-Z32S2	IC		(SERVICE)
IC7807	HD6433684A35FP	IC(MCU)		
IC7809	S-80828CLNB-W	IC		
Q001	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q004	DTC124EKA-X	DIGI TRANSISTOR		
Q007	2SA1530A/QR/-X	SI TRANSISTOR		
Q008	2SA1530A/QR/-X	SI TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1830-X	MOS FET		
Q014	2SK1830-X	MOS FET		
Q015	2SK1830-X	MOS FET		
Q016	DTC124EKA-X	DIGI TRANSISTOR		
Q017	DTC124EKA-X	DIGI TRANSISTOR		
Q018	2SA1022/BC/-X	TRANSISTOR		
Q019	2SA1022/BC/-X	TRANSISTOR		
Q020	2SA1022/BC/-X	TRANSISTOR		
Q331	2SA1037AK/QR/-X	TRANSISTOR		
Q332	2SC2412K/QR/-X	TRANSISTOR		
Q333	2SA1037AK/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q353	2SA1037AK/QR/-X	TRANSISTOR		
Q354	2SA1037AK/QR/-X	TRANSISTOR		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q707	2SA1037AK/QR/-X	TRANSISTOR		
Q711	2SC2412K/QR/-X	TRANSISTOR		
Q712	2SC2412K/QR/-X	TRANSISTOR		
Q713	2SC2412K/QR/-X	TRANSISTOR		
Q714	2SC2412K/QR/-X	TRANSISTOR		
Q715	2SC2412K/QR/-X	TRANSISTOR		
Q716	2SC2412K/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q791	2SC2412K/QR/-X	TRANSISTOR		
Q792	2SC2412K/QR/-X	TRANSISTOR		
Q793	DTC124EKA-X	DIGI TRANSISTOR		
Q1101	2SC2412K/QR/-X	TRANSISTOR		
Q1102	2SC2412K/QR/-X	TRANSISTOR		
Q1103	2SA1037AK/QR/-X	TRANSISTOR		
Q1104	2SC2412K/QR/-X	TRANSISTOR		
Q1105	2SA1037AK/QR/-X	TRANSISTOR		
Q1106	2SC2412K/QR/-X	TRANSISTOR		
Q1107	DTC124EKA-X	DIGI TRANSISTOR		
Q1201	2SC2412K/QR/-X	TRANSISTOR		
Q1202	2SC2412K/QR/-X	TRANSISTOR		
Q1203	2SA1037AK/QR/-X	TRANSISTOR		
Q1205	2SC2412K/QR/-X	TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description	Local
Q1206	2SC2412K/QR/-X	TRANSISTOR		
Q1207	2SA1037AK/QR/-X	TRANSISTOR		
Q1209	2SC2412K/QR/-X	TRANSISTOR		
Q1210	2SC2412K/QR/-X	TRANSISTOR		
Q1211	2SA1037AK/QR/-X	TRANSISTOR		
Q1215	DTC124EKA-X	DIGI TRANSISTOR		
Q4001	2SC3837K/NP/-X	TRANSISTOR		
Q4002	2SA1022/BC/-X	TRANSISTOR		
Q4003	IMX1-XW	PAIR TRANSISTOR		
Q4005	2SC3837K/NP/-X	TRANSISTOR		
Q4006	2SA1022/BC/-X	TRANSISTOR		
Q4007	IMX1-XW	PAIR TRANSISTOR		
Q4008	2SC3837K/NP/-X	TRANSISTOR		
Q4009	2SA1022/BC/-X	TRANSISTOR		
Q4010	IMX1-XW	PAIR TRANSISTOR		
Q7301	2SA1022/BC/-X	TRANSISTOR		
Q7302	2SA1022/BC/-X	TRANSISTOR		
Q7303	2SA1022/BC/-X	TRANSISTOR		
Q7601	2SC3928A/QR/-X	TRANSISTOR		
Q7801	2SC3928A/QR/-X	TRANSISTOR		
Q7803	2SC3928A/QR/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	RSA6.1J4-W	SI DIODE		
D006	RSA6.1J4-W	SI DIODE		
D1901	D1FS4-X	SB DIODE		
D1902	PTZ11B-X	Z DIODE		
D1904	PTZ6.8B-X	Z DIODE		
D7803	MA111-X	SI DIODE		
D7804	MA3056/M/-X	Z DIODE		
C001	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C002	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C003	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C005	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C006	NCB20JK-225X	C CAPACITOR	2.2uF 6.3V K	
C007	NEH70GM-227X	E CAPACITOR	220uF 4V M	
C011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C060	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C074	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C078	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C079	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C333	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C334	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C335	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C336	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C352	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C354	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C356	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C404	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C415	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C462	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C463	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C730	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C731	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C732	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C734	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C741	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C742	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C743	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C744	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C745	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C746	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C791	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C792	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C1001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C1004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C1005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1101	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C1102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C1103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C1111	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1201	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1202	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1203	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1204	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1207	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1208	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1209	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1210	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1211	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C1212	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1213	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C1214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1221	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1222	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1223	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1224	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1225	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1227	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1228	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1229	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1230	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1231	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1232	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1233	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1234	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1235	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1236	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1237	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1238	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1239	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1240	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1241	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1243	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1244	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1245	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1246	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1247	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1248	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1249	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1250	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1251	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C1252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1253	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1261	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1302	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1303	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C1304	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1321	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1322	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1901	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1902	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1906	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C1911	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1912	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1913	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C1917	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C1918	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1919	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C1922	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1923	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1924	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1925	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4002	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4005	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4006	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4012	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4014	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4015	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4019	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C4021	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C4022	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4025	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4026	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4027	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C4028	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4032	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C4033	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C4034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C4043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4045	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4046	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4063	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C4302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C4314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C4330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4348	NEH91EM-336X	E CAPACITOR	33uF 25V M	
C4349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C4360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C4364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C4380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
C4381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4391	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4401	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C4402	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4421	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C4422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4424	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C4427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C4502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7301	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7302	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7313	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7336	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7338	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7339	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7340	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7341	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7342	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7343	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7344	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7345	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7346	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C7601	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7602	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7609	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7810	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7815	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C7818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7821	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C7832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R043	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R044	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R046	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R048	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R050	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R091	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R092	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R093	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R094	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R104	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R152	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R153	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R154	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R180	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R181	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R195	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R331	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R333	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R334	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R338	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R339	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R340	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R342	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D	
R343	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R353	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R354	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R358	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R359	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R362	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D	
R363	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R409	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R411	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R413	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R421	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R425	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R437	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R438	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R439	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R440	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R442	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R481	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R482	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R483	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R484	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
R485	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R486	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R711	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R712	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R713	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R714	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R715	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R722	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R728	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R731	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R732	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R733	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R734	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R735	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R736	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R737	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R738	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R739	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R740	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R741	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R742	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R743	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R744	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R745	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R746	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R747	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R756	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R758	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R770	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1109	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R1110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1201	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1202	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1203	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1204	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1206	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1209	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1210	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1211	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1215	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1216	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1217	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1218	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1219	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1220	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1221	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1222	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1223	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1224	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1228	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1229	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R1230	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R1231	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1232	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1233	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1234	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1235	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1236	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1237	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1251	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1252	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1254	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1255	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1257	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1258	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
R1260	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1271	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1272	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1273	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1274	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1275	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1276	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1277	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1278	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1279	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1280	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1281	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R1282	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1285	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1287	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1312	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1331	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
R1333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1901	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1902	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R1903	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R1906	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1908	QRE141J-0R0	C RESISTOR	0Ω 1/4W J	
R1911	QRE141J-0R0	C RESISTOR	0Ω 1/4W J	
R4003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4005	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R4006	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4008	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4011	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R4012	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4020	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4023	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4026	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4027	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4028	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4033	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R4034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4036	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4038	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4039	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4048	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4053	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4096	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4121	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4122	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4123	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4124	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4125	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4126	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4251	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4252	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4253	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4254	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4255	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4256	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4257	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4258	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4259	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4260	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4261	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4262	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4263	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4264	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4265	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4266	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4267	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4268	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4269	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4270	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4271	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4272	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4273	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4274	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4275	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4276	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4277	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4278	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4279	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4280	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4281	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4282	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
R4301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R4337	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4338	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4362	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4363	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4364	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R4365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4366	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R4367	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R4368	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R4371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4379	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R4404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R4415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4450	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4474	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	
R4475	NRSA02D-103X	MG RESISTOR	10kΩ 1/10W D	
R4490	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4491	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R4492	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4493	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4494	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4495	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4496	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4497	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4498	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4499	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R4511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R4572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R4573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R7301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7307	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7316	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R7317	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7319	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7320	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7325	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7332	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7621	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7624	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7629	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7630	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7855	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7858	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7870	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7872	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7888	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7891	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7893	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7894	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7940	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7941	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7944	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7945	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7946	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7947	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7948	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RA7301	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7302	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7303	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7304	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7305	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7306	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L302	NQL092K-3R3X	P COIL	3.3uH K	
L331	NQL092K-6R8X	P COIL	6.8uH K	
L351	NQL092K-100X	P COIL	10uH K	
L402	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L1001	NQR0413-003X	FERRITE BEADS		
L1002	NQR0413-003X	FERRITE BEADS		
L1004	NQR0413-003X	FERRITE BEADS		
L1005	NQR0413-003X	FERRITE BEADS		
L1006	NQR0413-003X	FERRITE BEADS		
L1101	NQL092K-6R8X	P COIL	6.8uH K	
L1201	NQL092M-180X	P COIL	18uH M	
L1202	NQL085J-101X	COIL	100uH J	
L1203	NQL085J-101X	COIL	100uH J	
L1205	NQR0413-003X	FERRITE BEADS		
L1901	NQL52EM-220X	COIL	22uH M	
L1902	NQL52EM-220X	COIL	22uH M	
L1903	NQL52EM-220X	COIL	22uH M	
L1905	NQL80CL-100X	COIL	10uH L	
L4001	NQL092K-2R2X	P COIL	2.2uH K	
L4002	NQL092K-2R2X	P COIL	2.2uH K	
L4003	NQL092K-2R2X	P COIL	2.2uH K	
L4025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4026	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4027	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4028	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L4101	NQR0413-003X	FERRITE BEADS		
L4102	NQR0413-003X	FERRITE BEADS		
L4104	NQR0413-003X	FERRITE BEADS		
L4107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4203	NQR0413-003X	FERRITE BEADS		
L4207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7301	NQR0351-003X	FERRITE BEADS		
L7302	NQR0351-003X	FERRITE BEADS		
L7303	NQL092K-R10X	P COIL	0.1uH K	
L7304	NQL092K-R10X	P COIL	0.1uH K	
L7305	NQL092K-R10X	P COIL	0.1uH K	
L7306	NQL092K-2R2X	P COIL	2.2uH K	
L7307	NQL092K-2R2X	P COIL	2.2uH K	
L7308	NQL092K-2R2X	P COIL	2.2uH K	
L7601	NQR0351-001X	FERRITE BEADS		
L7602	NQR0504-001X	EMI FILTER		
L7603	NQR0504-001X	EMI FILTER		
L7604	NQR0504-001X	EMI FILTER		
L7605	NQR0351-001X	FERRITE BEADS		
L7802	NQR0351-001X	FERRITE BEADS		
CN00H	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN00J	QGA1501C2-06V	CONNECTOR	W-B (1-6)	
CN0AH	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
CN000A	QGA2001C2-13V	CONNECTOR	W-B (1-13)	
CN000B	QGA1501C2-13V	CONNECTOR	W-B (1-13)	
CN000K	QGA1501C2-07V	CONNECTOR	W-B (1-7)	
CN000T	QGA1501C2-10V	CONNECTOR	W-B (1-10)	
CN000W	QGA1501C2-04V	CONNECTOR	W-B (1-4)	
CN000X	QGA1211C2-31X	CONNECTOR	W-B (1-31)	
CN00AM	QGA1501C2-11V	CONNECTOR	W-B (1-11)	
CN00C1	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C3	QGA2001F2-05V	CONNECTOR	W-B (1-5)	
CN00C4	QGA1501F2-08V	CONNECTOR	W-B (1-8)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K004	NQR0389-003X	FERRITE BEADS		
K1203	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1204	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1206	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4301	NQR0413-003X	FERRITE BEADS		
K4302	NQR0413-003X	FERRITE BEADS		
K7302	NQL79GM-220X	COIL	22uH M	
K7303	NQR0351-003X	FERRITE BEADS		
K7801	NQR0351-001X	FERRITE BEADS		
K7803	NQR0351-001X	FERRITE BEADS		
K7804	NQR0351-001X	FERRITE BEADS		
LC001	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC002	NQR0415-003X	EMI FILTER	0.47uF 16V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC007	NQR0479-001X	EMI FILTER		
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC013	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC015	NQR0479-001X	EMI FILTER		
LC016	NQR0479-001X	EMI FILTER		
LC017	NQR0479-001X	EMI FILTER		
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC036	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC037	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC038	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC108	NQR0479-001X	EMI FILTER		
LC109	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC301	NQR0450-004X	EMI FILTER	100pF 50V M	
LC1051	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1052	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1053	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC1201	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1202	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1203	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1204	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1205	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1206	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1301	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1305	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1306	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1307	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC1308	NQR0479-001X	EMI FILTER		
LC1309	NQR0479-001X	EMI FILTER		
LC1310	NQR0479-001X	EMI FILTER		
X001	NAX0644-001X	CRYSTAL	6.000000MHz	
X301	NAX0118-001X	CRYSTAL	20.000MHz	
X701	NAX0621-001X	CRYSTAL	16.200MHz	
X4101	NAX0636-001X	CXO	10.000MHz	
X4201	NAX0637-001X	CXO	74.1758MHz	
X7801	NAX0497-001X	C RESONATOR	10.000MHz	

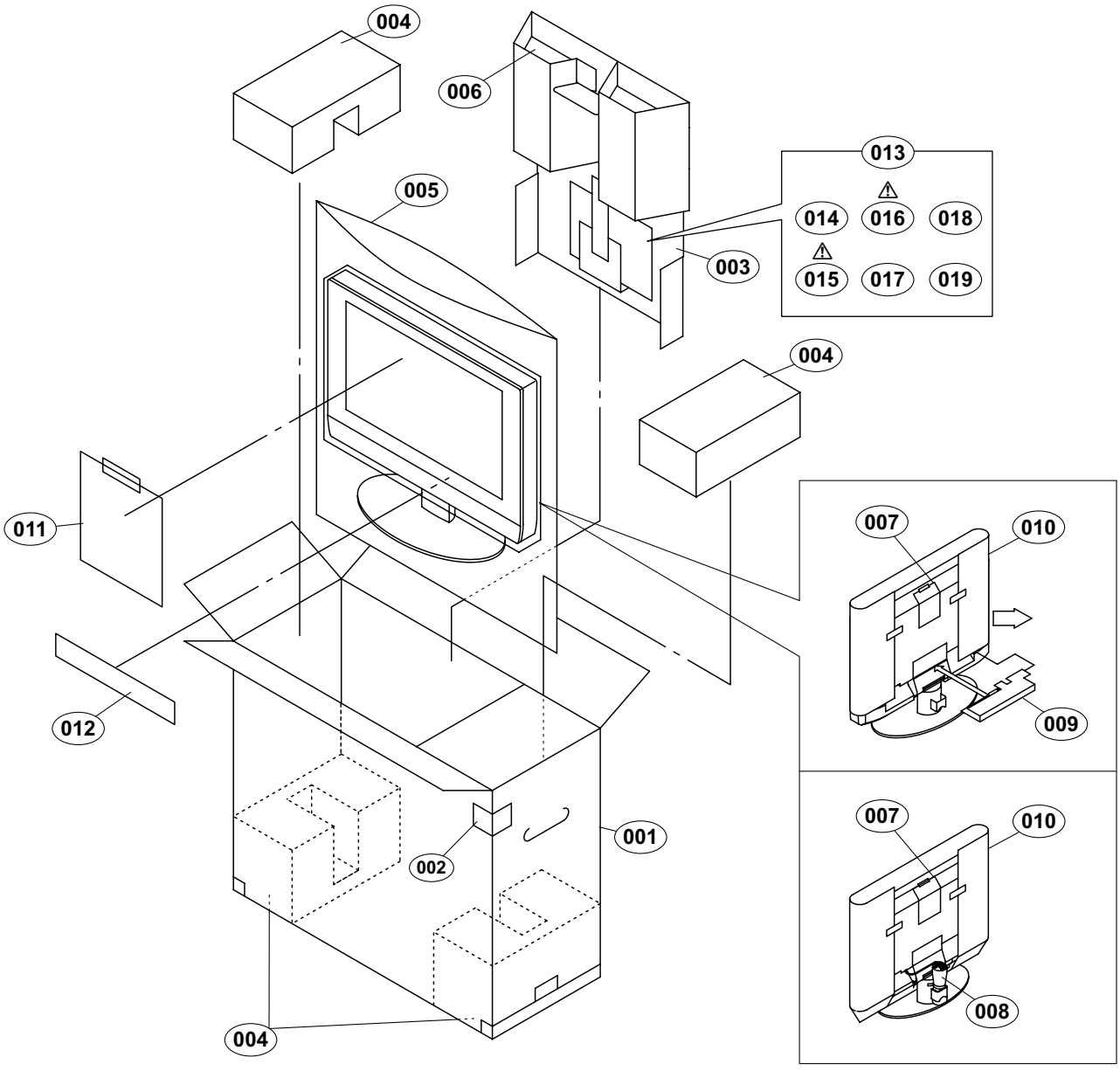
REMOTE CONTROL UNIT PARTS LIST (RM-C1808-1C)

⚠Ref No.	Part No.	Part Name	Description	Local
	2AA070311	BATTERY COVER		

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	001	LC10006-032A	LT-Z32S2P.CASE		
	002	GG20025-001A-H	CORNER LABEL		
	003	LC21479-001B	CUSHION		
	004	LC11697-001B	CUSHION ASSY	4pcs in 1set	
	005	CP30974-001	POLY BAG		
	006	RM-C1808-1C	REMOCON UNIT	Inc. POLY BAG	
	007	LCT1516-002A	CAUTION SHEET		
	008	QPA01002305	POLY BAG	10cm x 23cm	LT-Z32S2,LT-Z32S2/A
	009	AEM4166-001A-U	PW CORD HOLDR		LT-Z32S2/S
	010	LC41664-003A	SET COVER		
	011	LCT1524-001A	INST SHEET		LT-Z32S2/S
	012	LC41748-001A	CARTON SHEET		
	013	QPA02503505P	POLY BAG	25cm x 35cm	
	014	----------	BATTERY	R6P/AA(x2)	
⚠	015	LCT1597-001A	INST BOOK	English	
⚠	016	LCT1599-001A	INST BOOK	Arabic/French/Persian/Russian/Traditional Chinese	LT-Z32S2,LT-Z32S2/S
	017	LCT1614-001A	CAUTION SHEET		LT-Z32S2/S
	018	BT-56012-1	WARRANTY CARD		LT-Z32S2/A
⚠	019	QAM0054-001	CONVERSION PLUG		LT-Z32S2

PACKING



JVC

SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

LT-Z32S2,
LT-Z32S2/A,
LT-Z32S2/S

CD-ROM No.SML200403

BASIC CHASSIS
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Digital Image Scaling Technology

CINEMA SURROUND





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No.YA020
2004/3

LT-Z32S2, LT-Z32S2/A, LT-Z32S2/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20µs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [µH]
Others	: As specified

(4)Power Supply

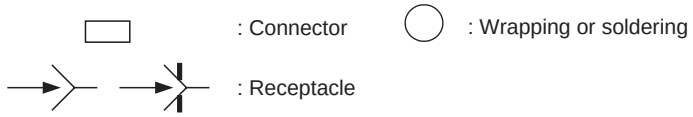


∗ Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground
⏚ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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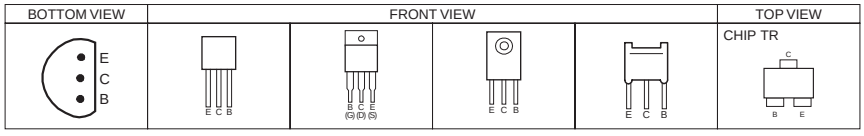
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USING P.W. BOARD

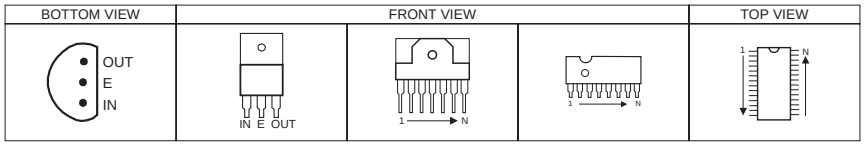
PWB ASS'Y name	LT-Z32S2	LT-Z32S2 / A	LT-Z32S2 / S
TUNER P.W. BOARD	LCA90213-02B(SMK-0R652A)	←	←
MSP P.W. BOARD	LCA90209-04B(SMK-0A)652A)	←	←
RECEIVER P.W. BOARD	LCA90212-02B(SMK-0J652A)	←	←
VIDEO P.W. BOARD	LCA90207-03B(SMK-1652A)	←	←
MI-COM & DIST P.W. BOARD	LCA10331-06C(SMK-0Z654A)	LCA10331-08C(SMK-0Z656A)	LCA10331-07C(SMK-0Z655A)
POWER P.W. BOARD	LCA90149-08F(SMK-9604A)	←	←
REGULATOR P.W. BOARD	LCA90150-09D(SMK-9614A)	←	←
FRONT CONTROL P.W. BOARD	LCA90210-01B(SMK-0L601A)	←	←
FRONT SENSOR P.W. BOARD	LCA90211-01B(SMK-0L602A)	←	←

SEMICONDUCTOR SHAPES

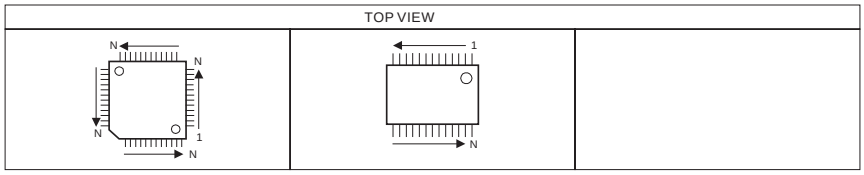
TRANSISTOR



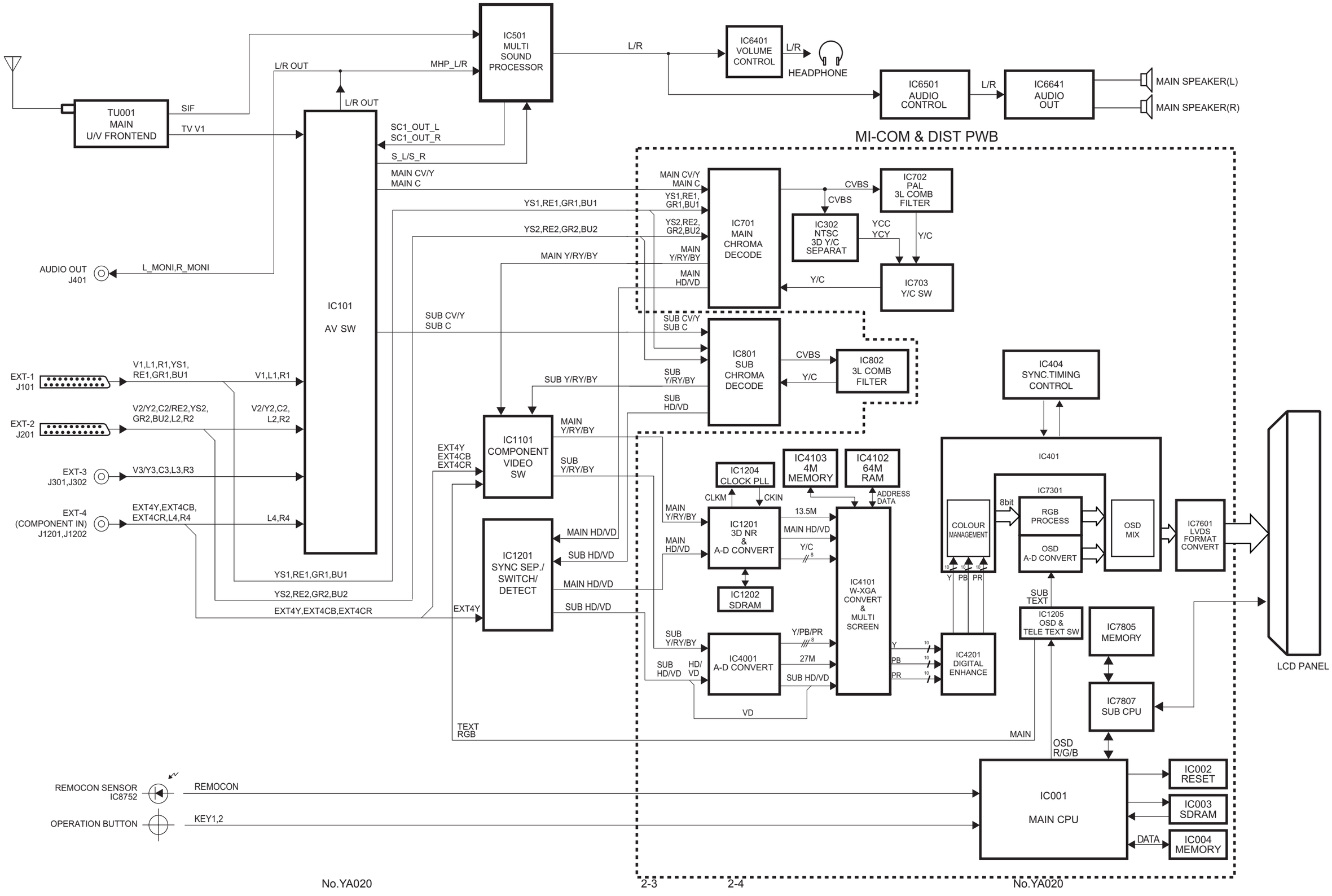
IC



CHIP IC



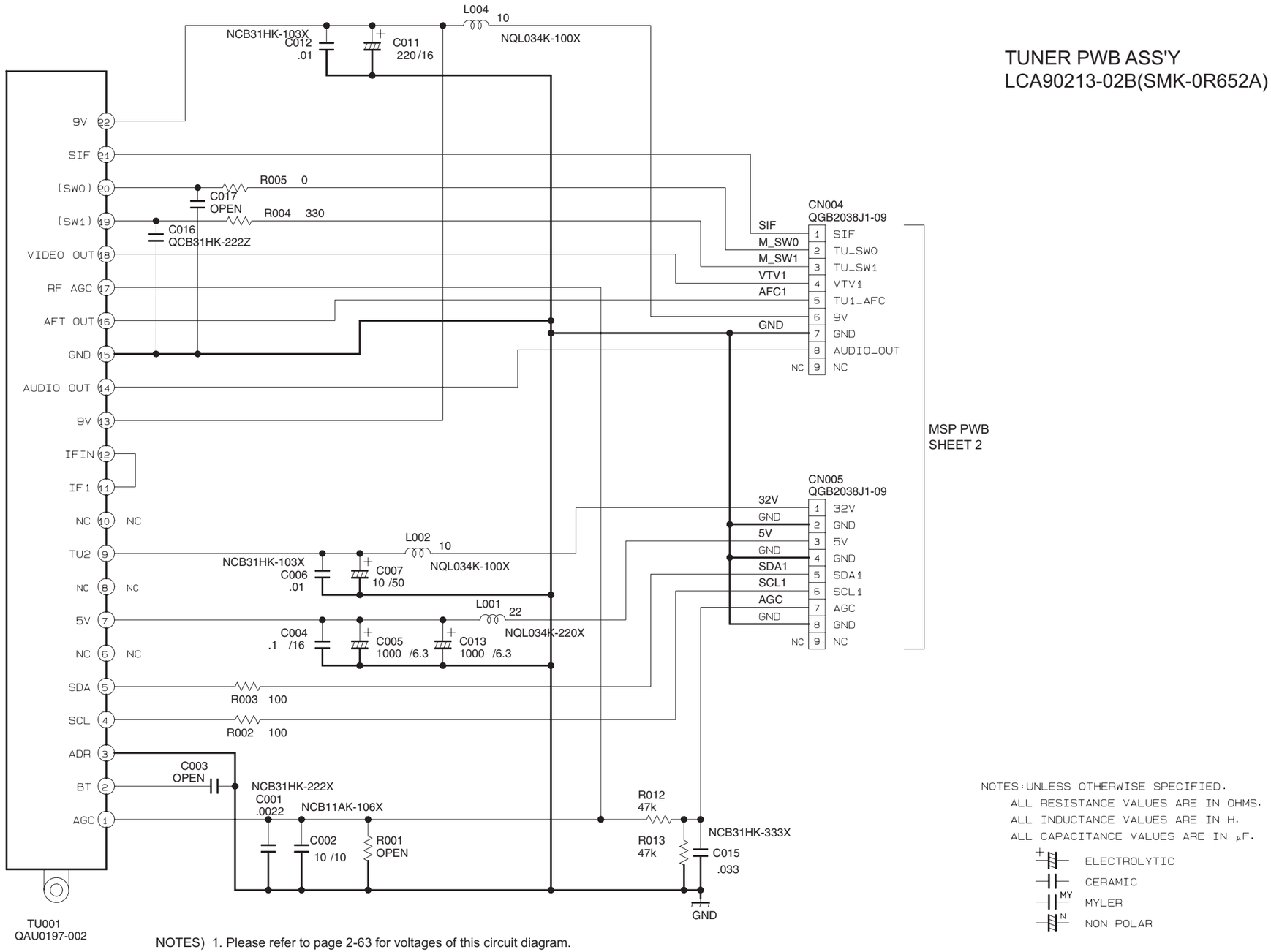
BLOCK DIAGRAM



CIRCUIT DIAGRAMS

TUNER PWB CIRCUIT DIAGRAM SHEET1

TUNER PWB ASS'Y
LCA90213-02B(SMK-0R652A)



NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

MSP PWB ASS'Y
LCA90209-04B(SMK-0A652A)

RECEIVER PWB (1/2)
SHEET 3

CN0AL
QGA1501C2-09V
VTV1 SIF_GND SIF_GND LTV RTV 32V 9V 5V DIG_GND

IC502
AN77L08-T

IC501
MSP3415DQGB3GHX
MULTI-SOUND
PROCESS

QAX0773-001Z

CN00AM
QGA1501C2-11V
DIG_GND AGC TU1_AFC SCL1 SDA1 SDA2 MSP_RESET M_SW0 M_SW1

MI-COM & DIST PWB (1/11)
SHEET 7

QGB2038K1-09
CN0004
SIF M_SW0 M_SW1 VTV1 TU1_AFC 9V GND AUDIO_OUT NC

TUNER PWB
SHEET 1

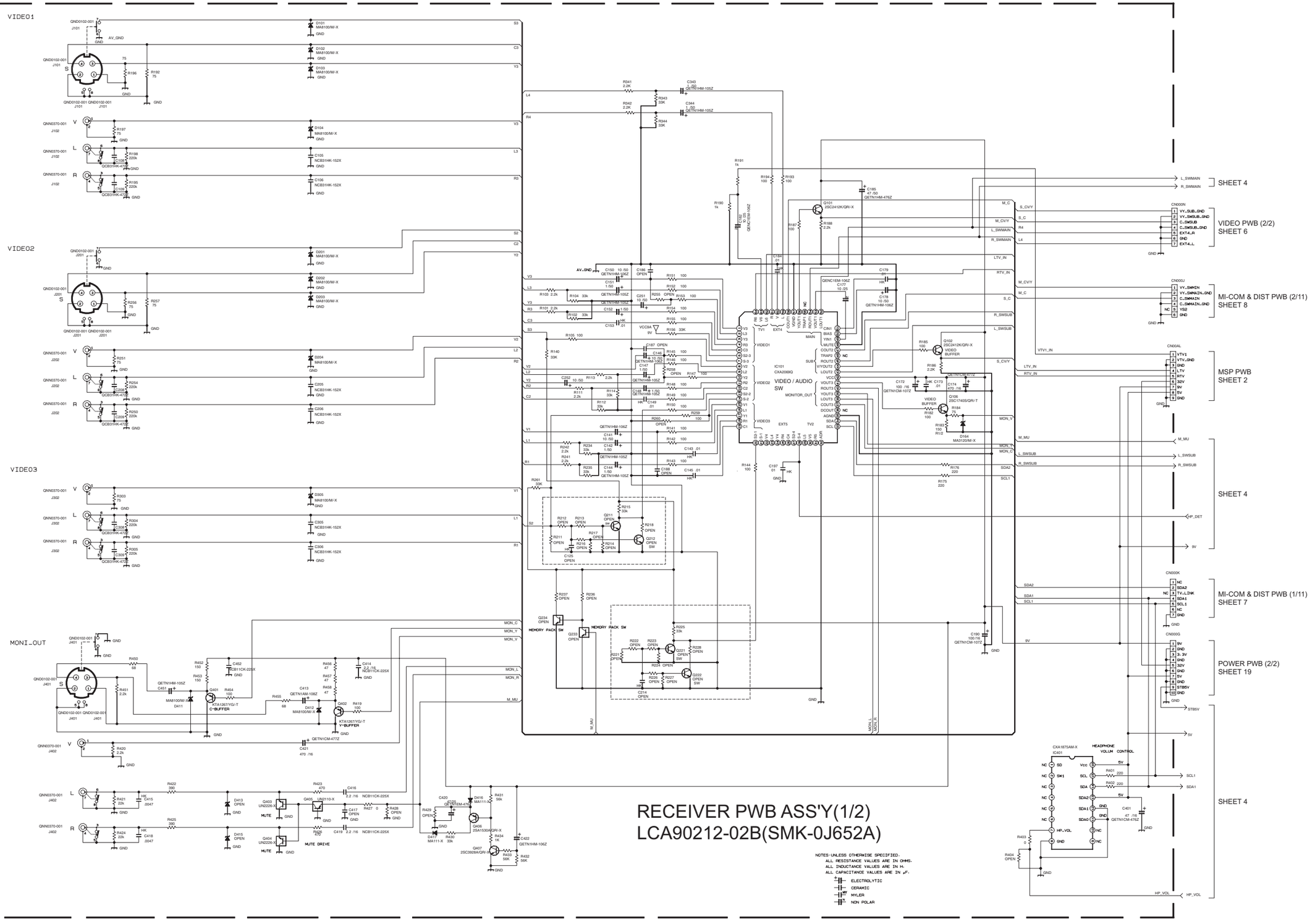
QGB2038K1-09
CN0005
32V GND 5V GND SDA1 SCL1 AGC GND NC

NQR0431-001X
NQR0389-003X

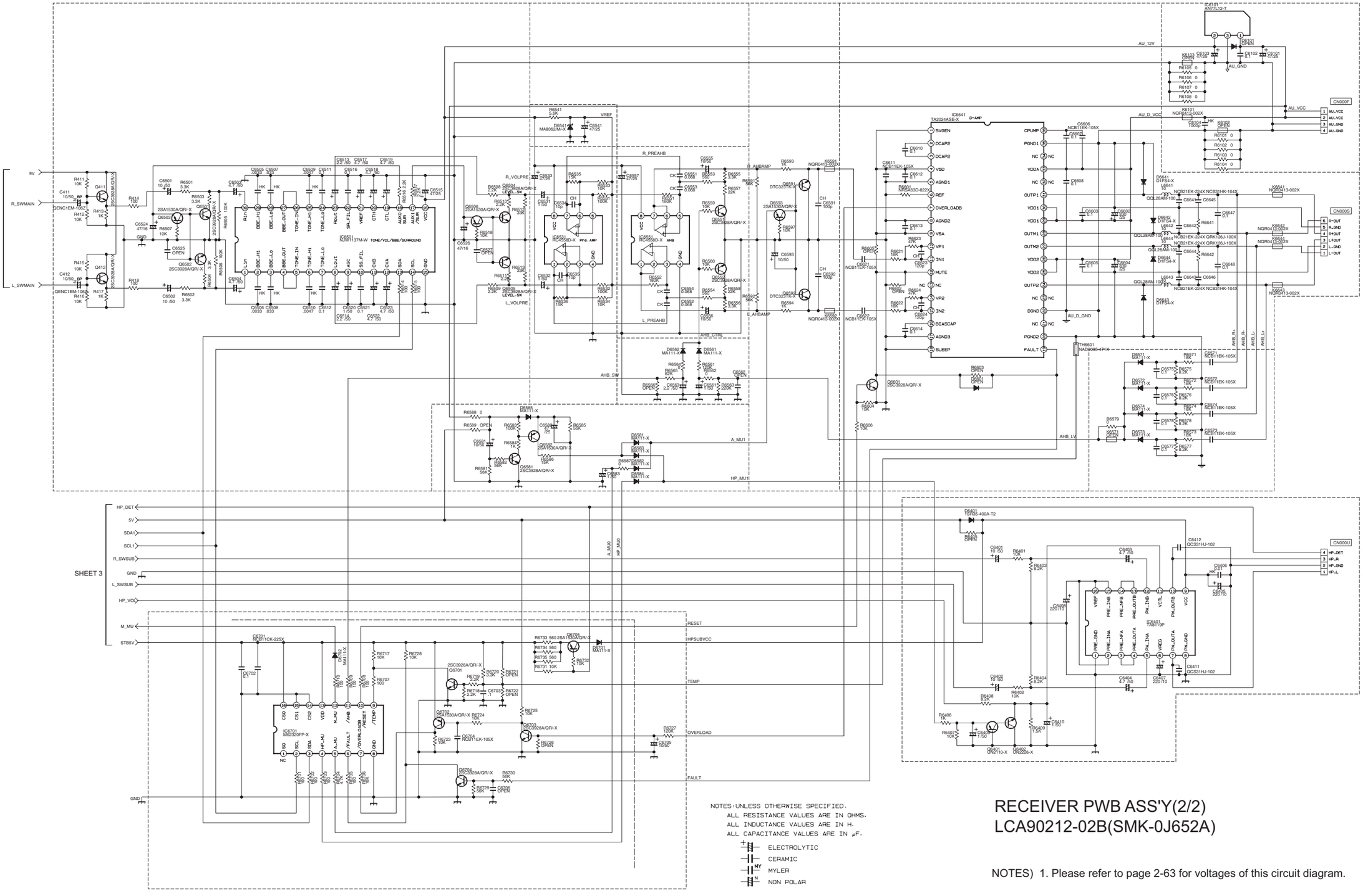
NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

RECEIVER PWB CIRCUIT DIAGRAM (1/2) SHEET 3



NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.



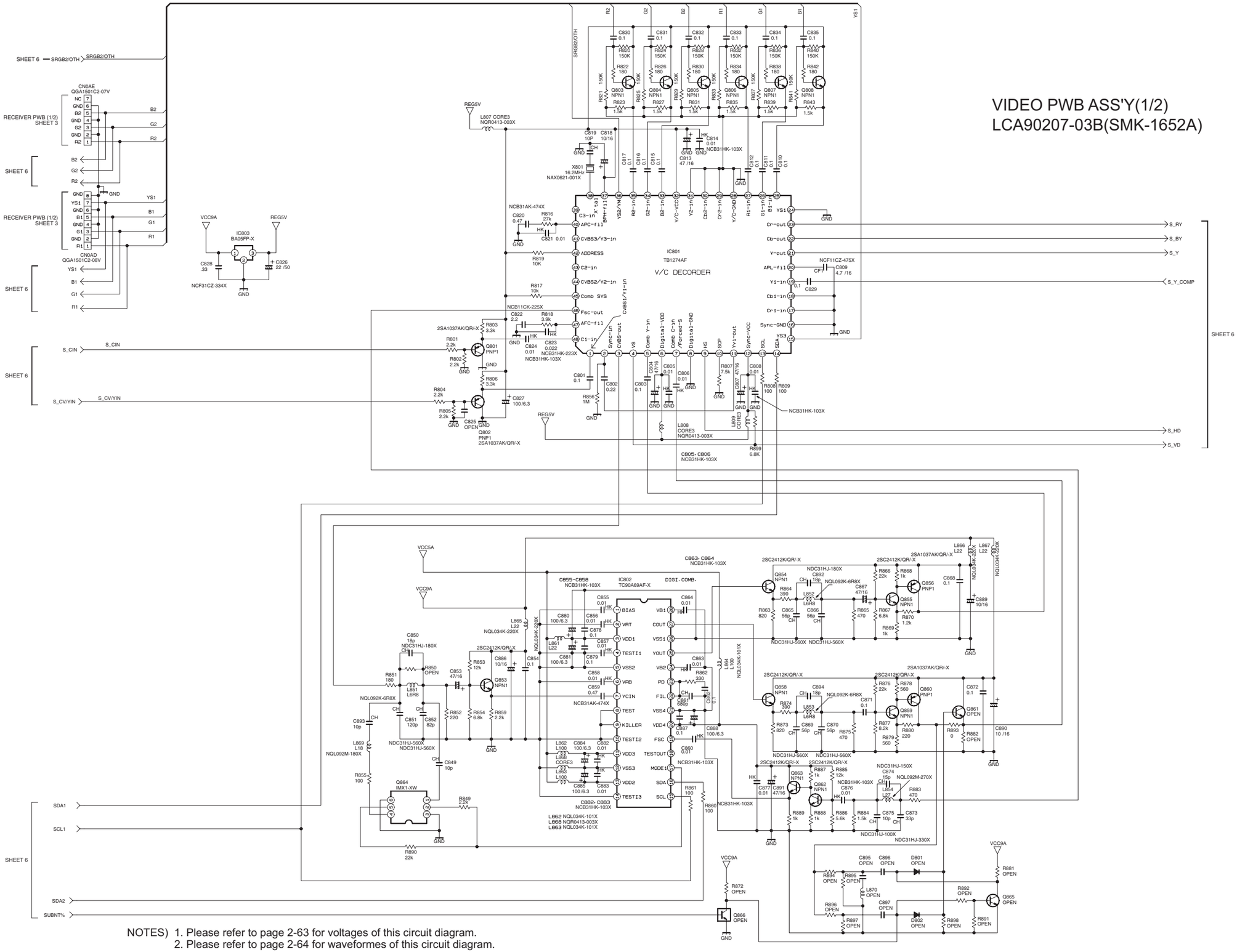
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

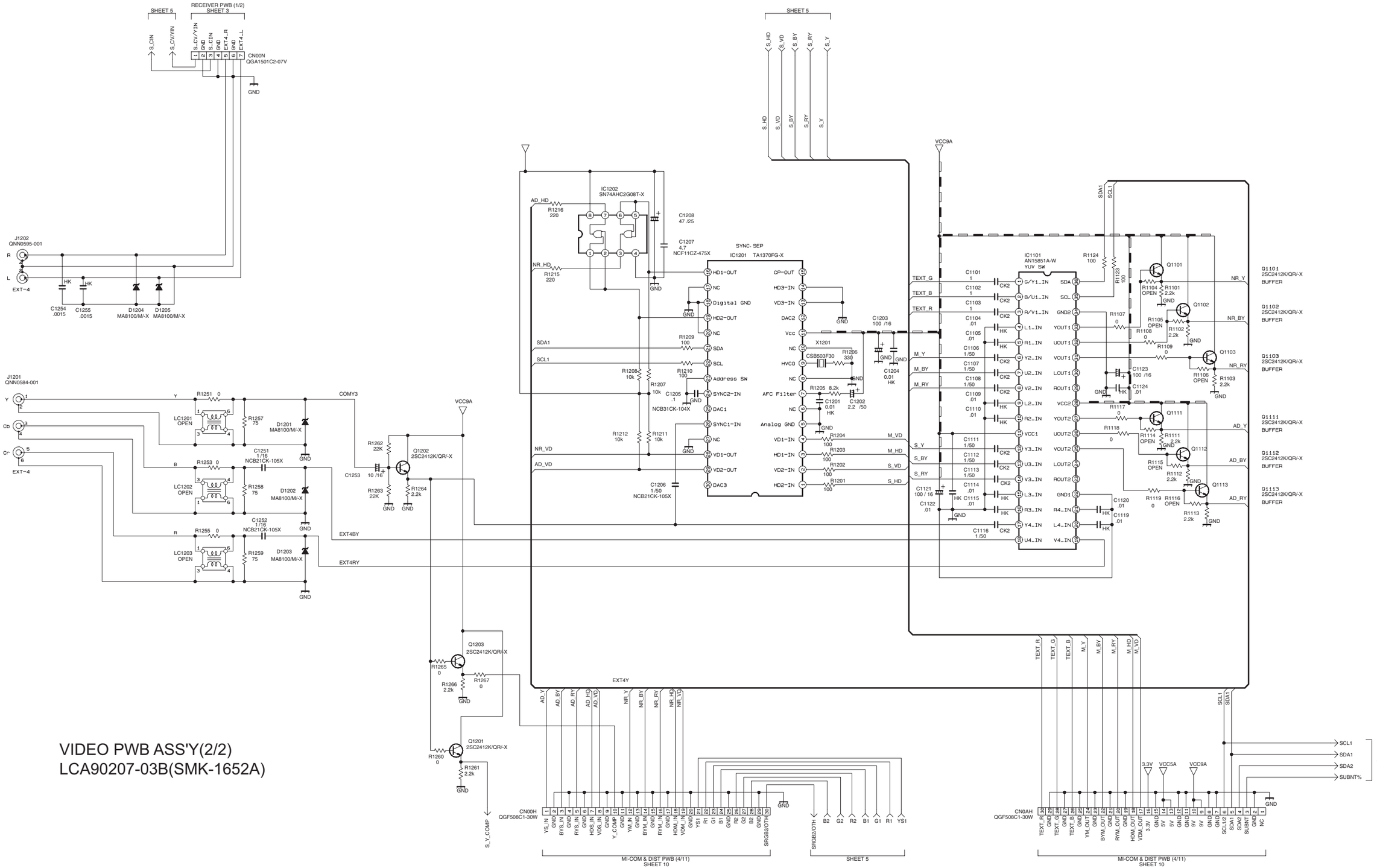
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

RECEIVER PWB ASS'Y(2/2)
LCA90212-02B(SMK-0J652A)

NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

VIDEO PWB ASS'Y(1/2)
LCA90207-03B(SMK-1652A)

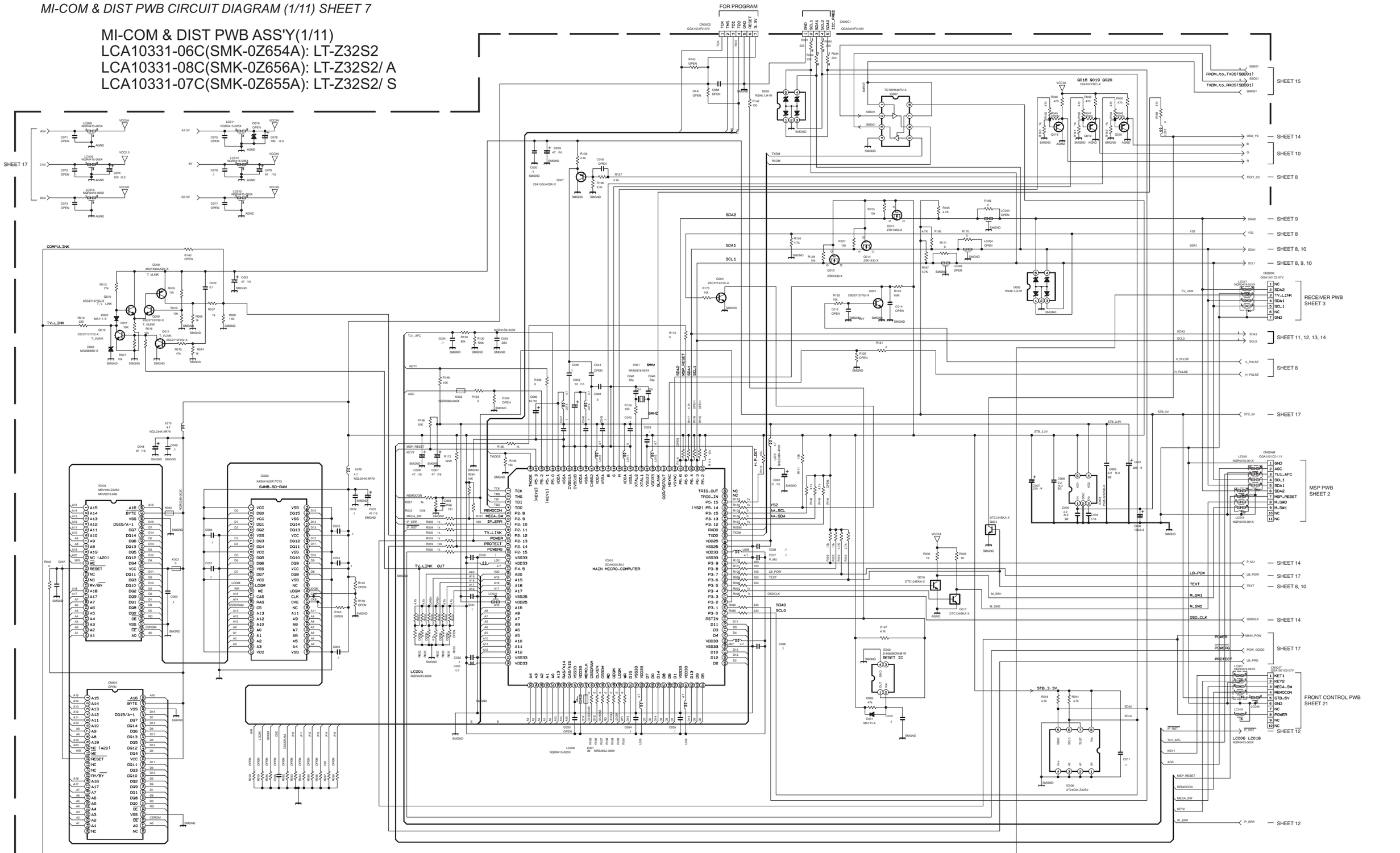




VIDEO PWB ASS'Y(2/2)
LCA90207-03B(SMK-1652A)

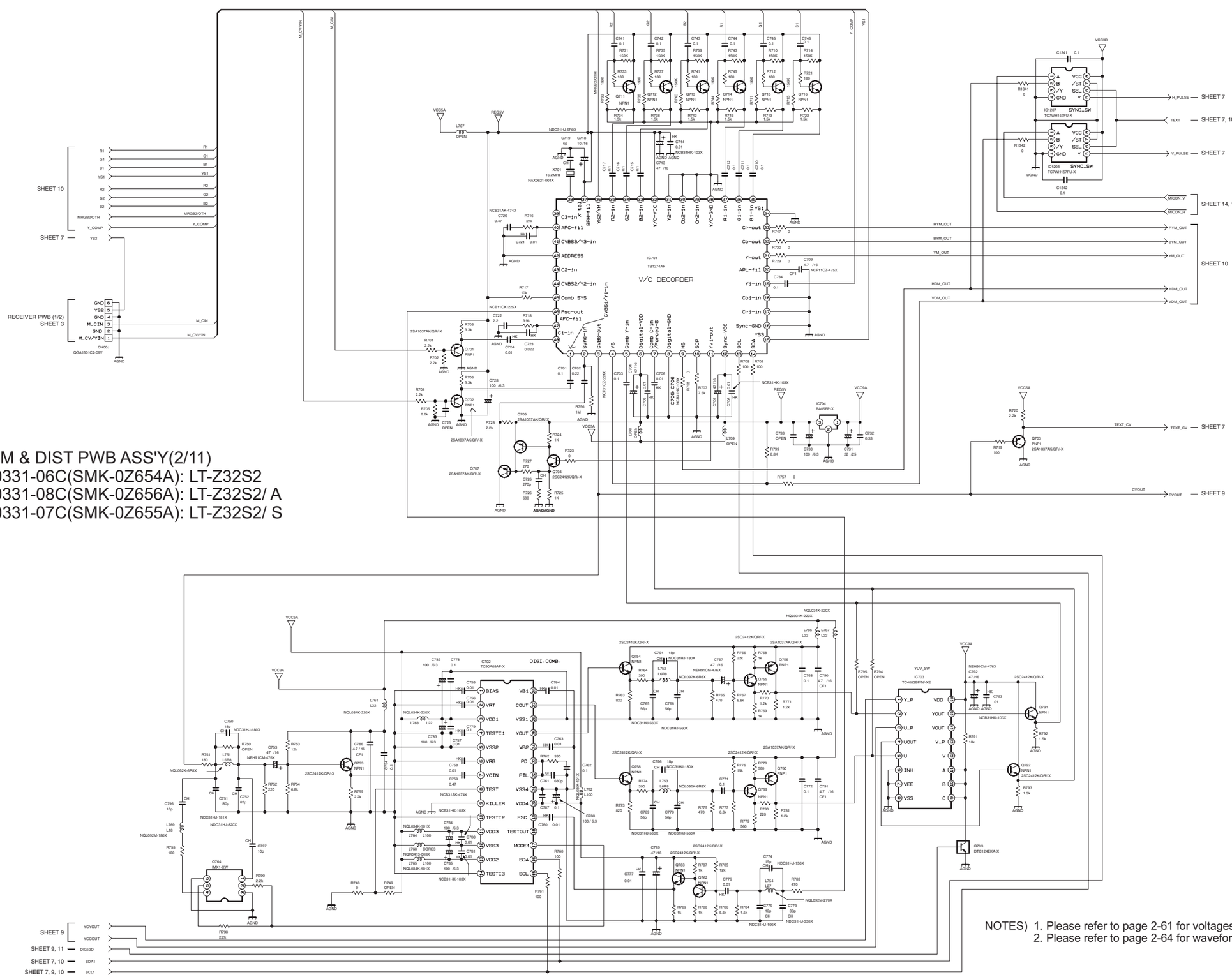
NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

MI-COM & DIST PWB ASS'Y(1/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S



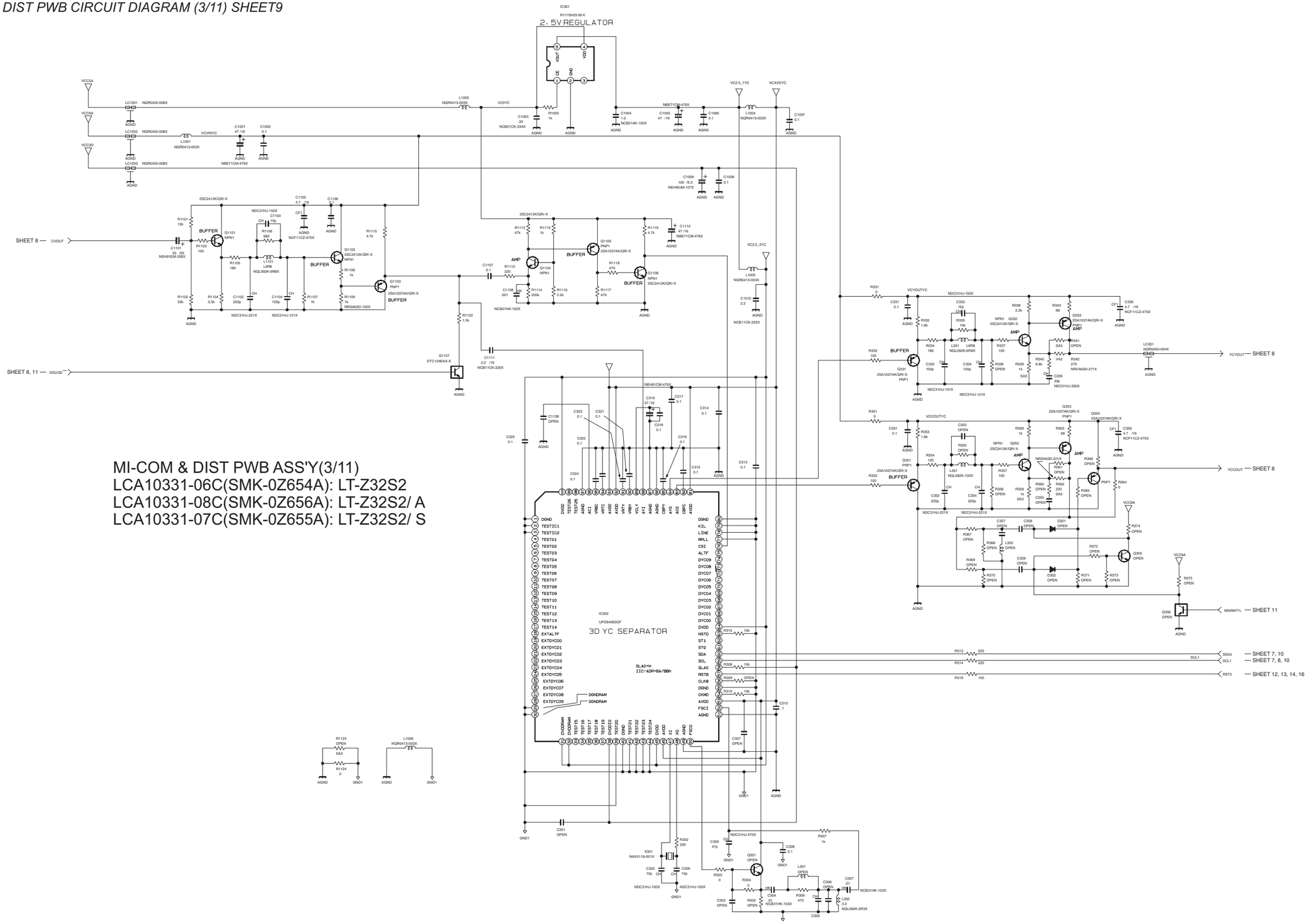
NOTES) 1. Please refer to page 2-61 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

MI-COM & DIST PWB ASS'Y(2/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S



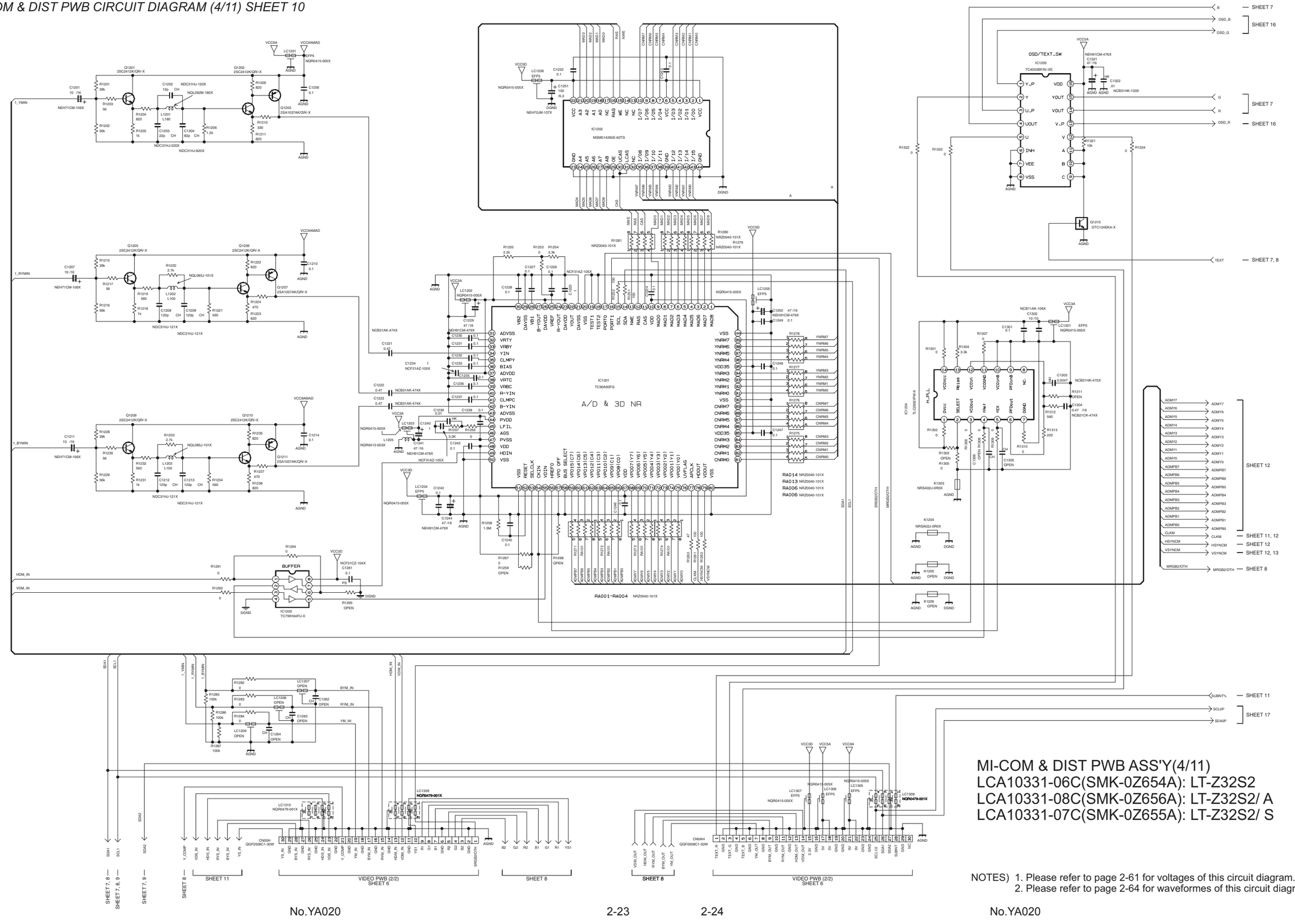
NOTES) 1. Please refer to page 2-61 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

MI-COM & DIST PWB ASS'Y(3/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S



NOTES) 1. Please refer to page 2-61 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

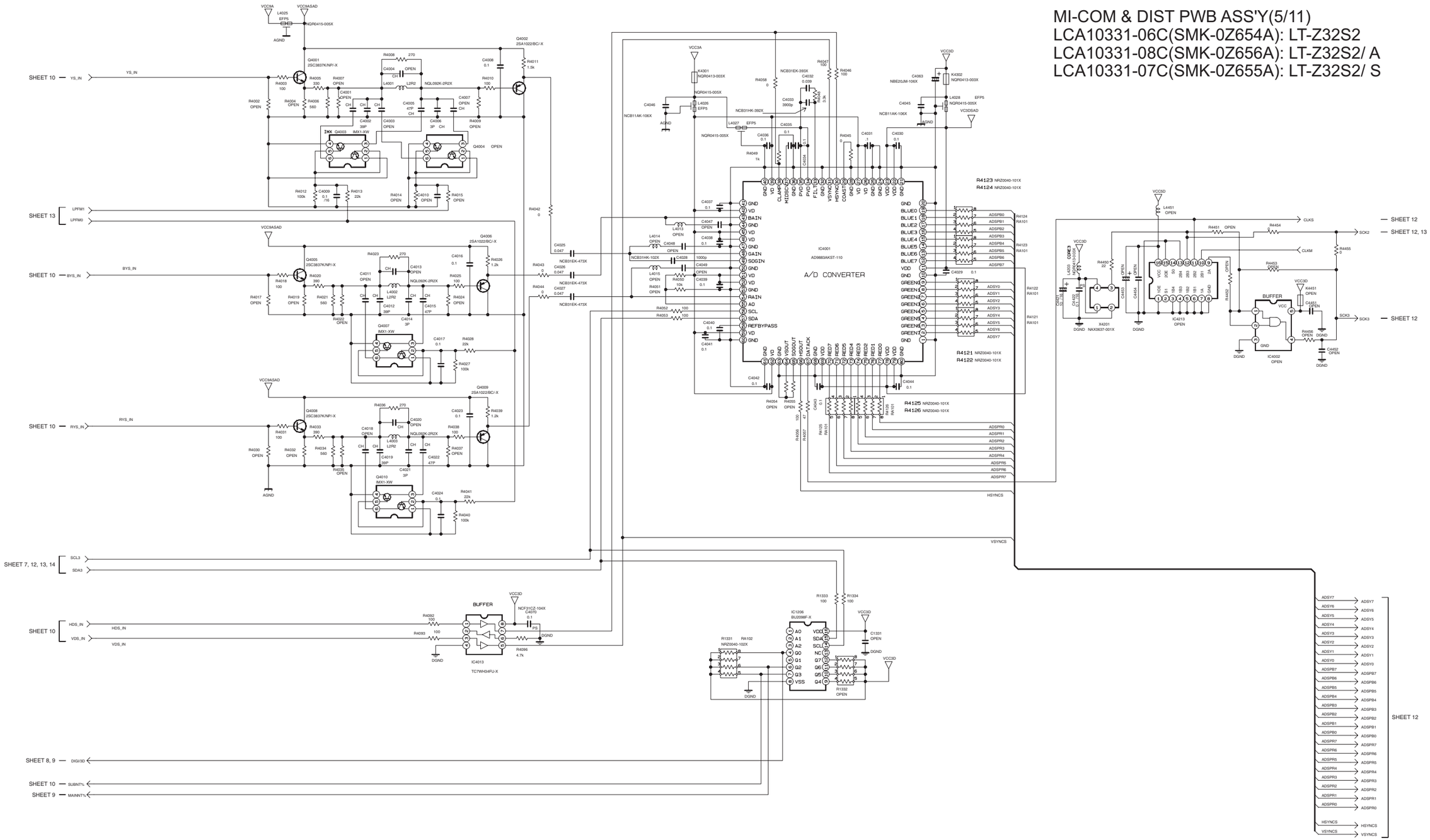
MI-COM & DIST PWB CIRCUIT DIAGRAM (4/11) SHEET 10



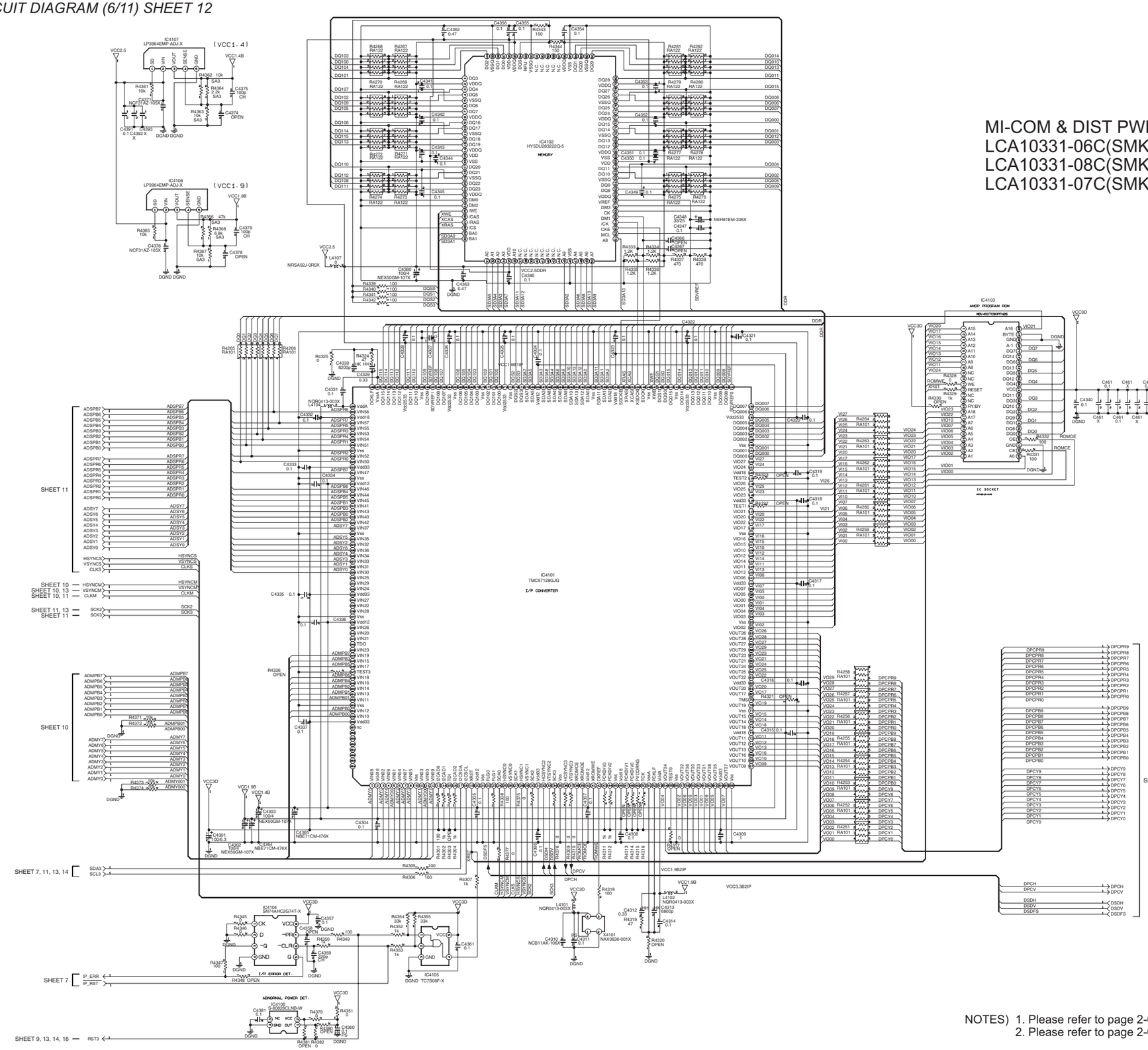
MI-COM & DIST PWB ASS'Y(4/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S

NOTES) 1. Please refer to page 2-61 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

MI-COM & DIST PWB ASS'Y(5/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S



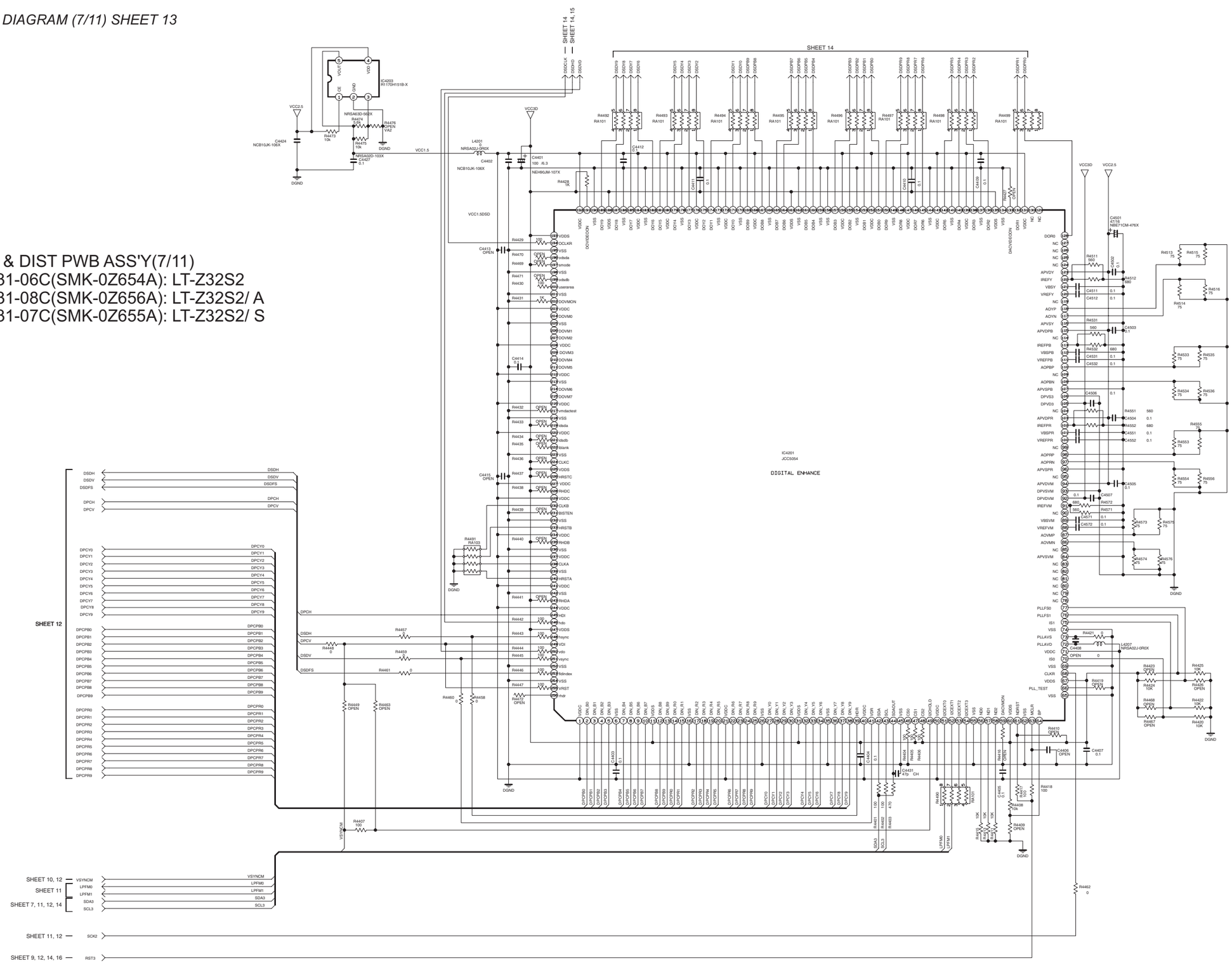
NOTES) 1. Please refer to page 2-61 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.



MI-COM & DIST PWB ASS'Y(6/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S

NOTES) 1. Please refer to page 2-62 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

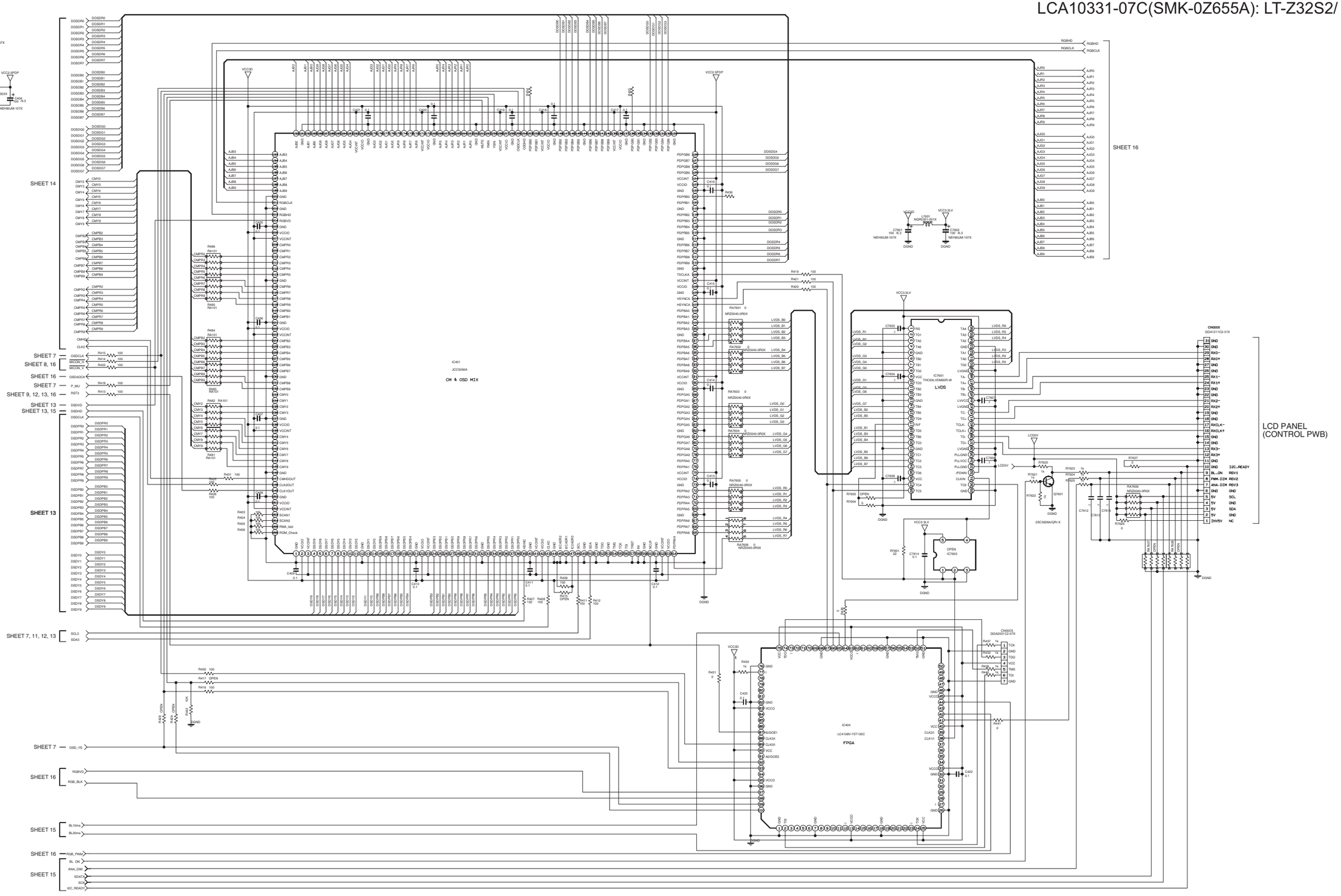
MI-COM & DIST PWB ASS'Y(7/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S



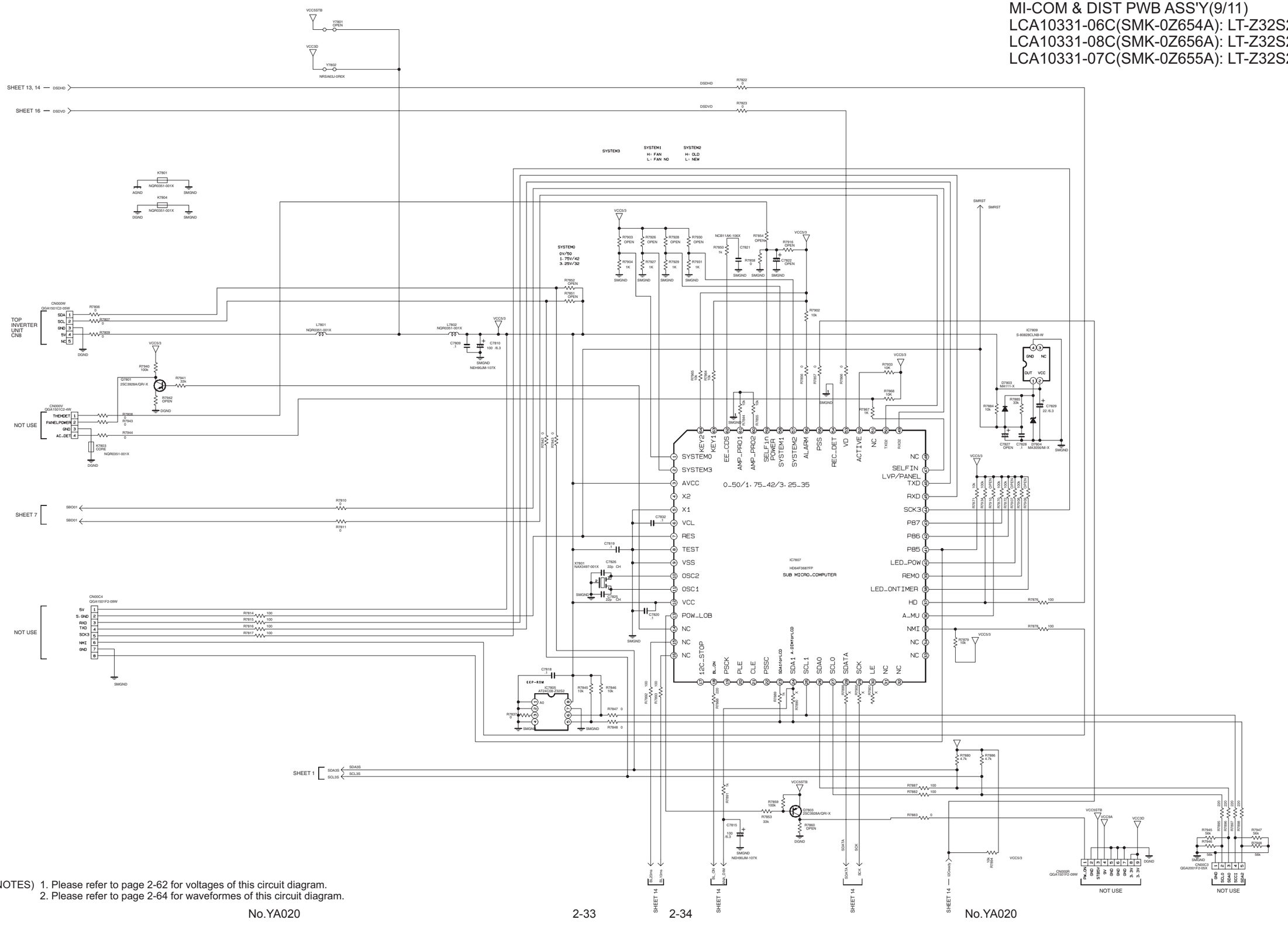
NOTES) 1. Please refer to page 2-62 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.

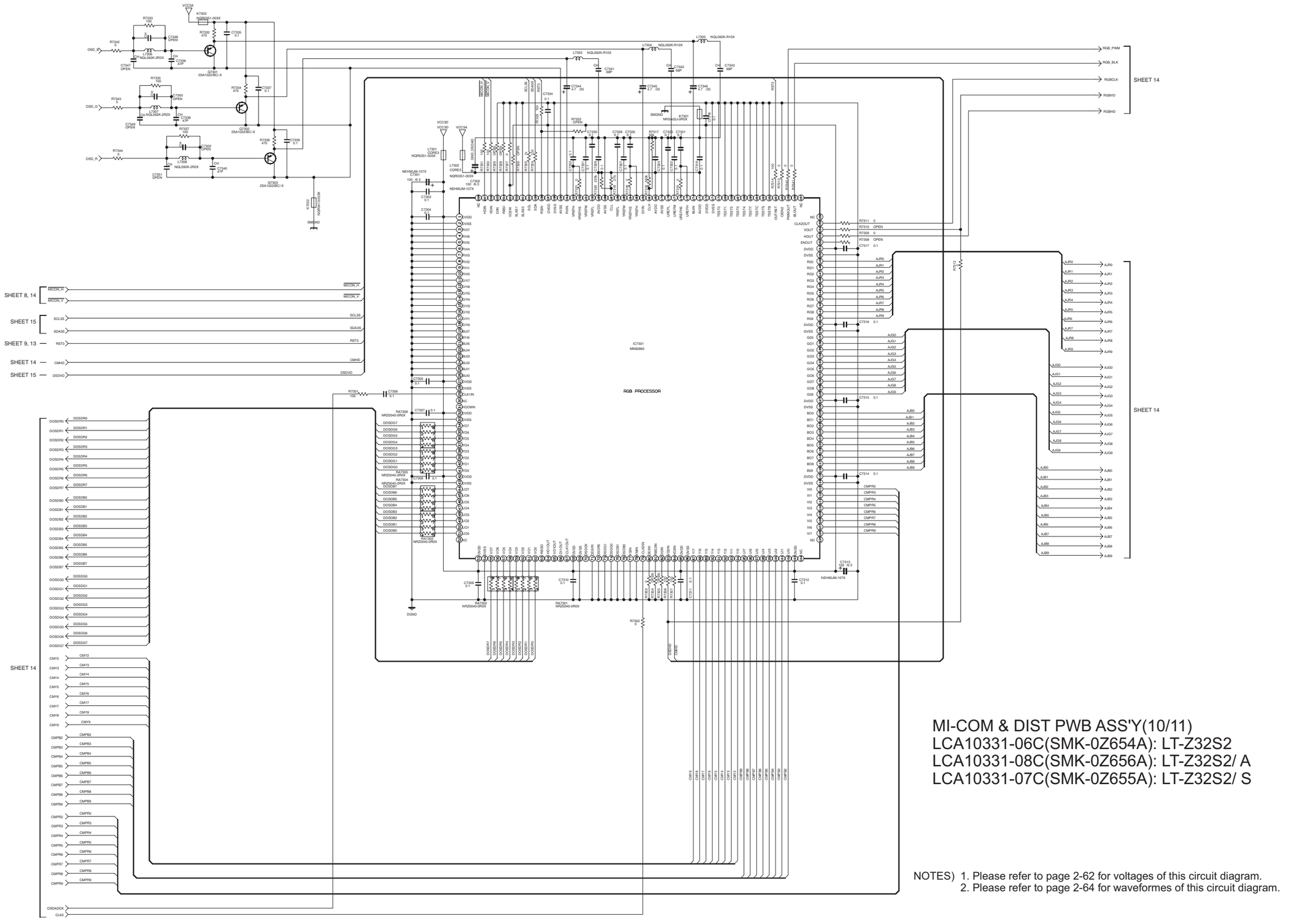
MI-COM & DIST PWB ASS'Y(8/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S

NOTES) 1. Please refer to page 2-62 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.



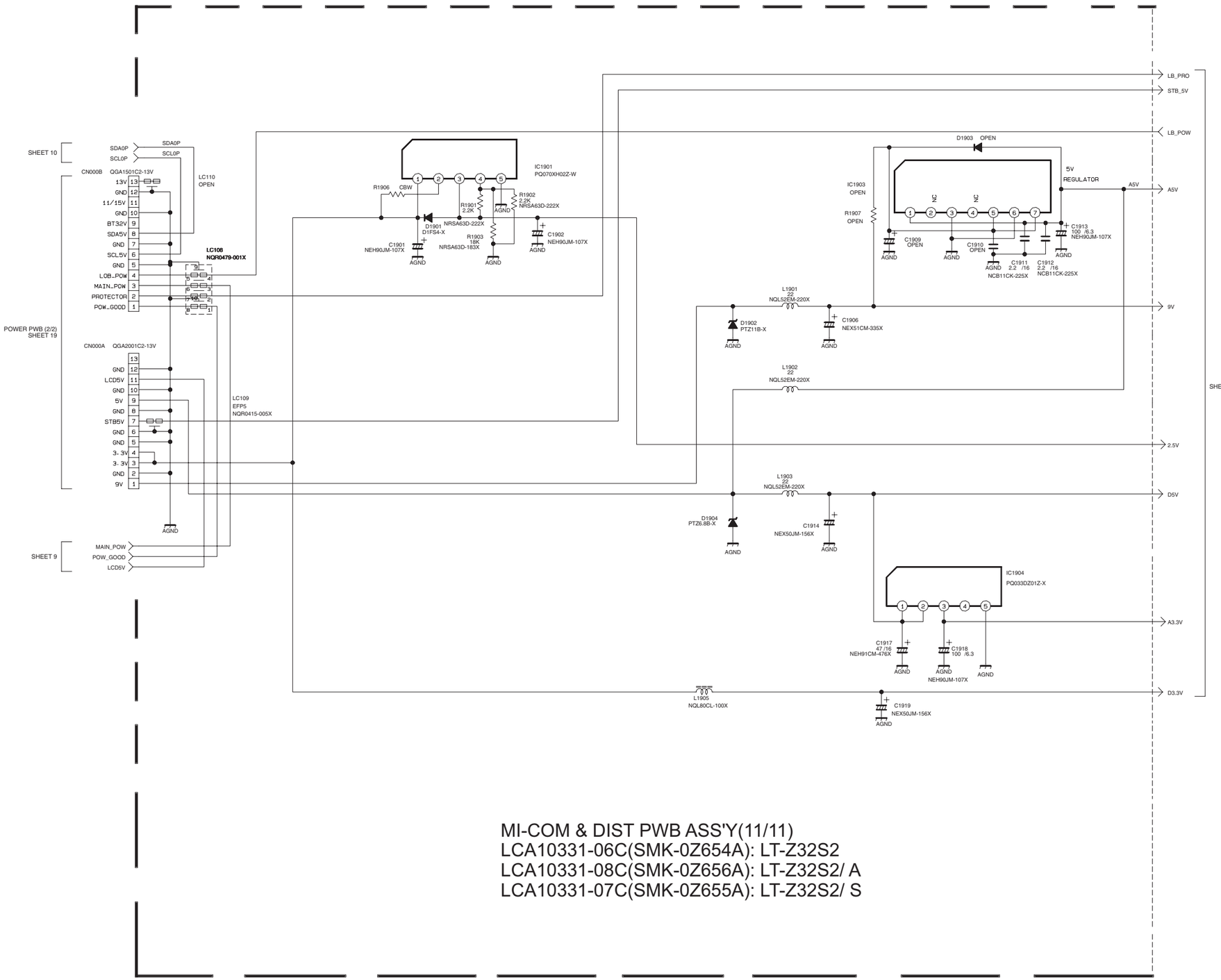
MI-COM & DIST PWB ASS'Y(9/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S





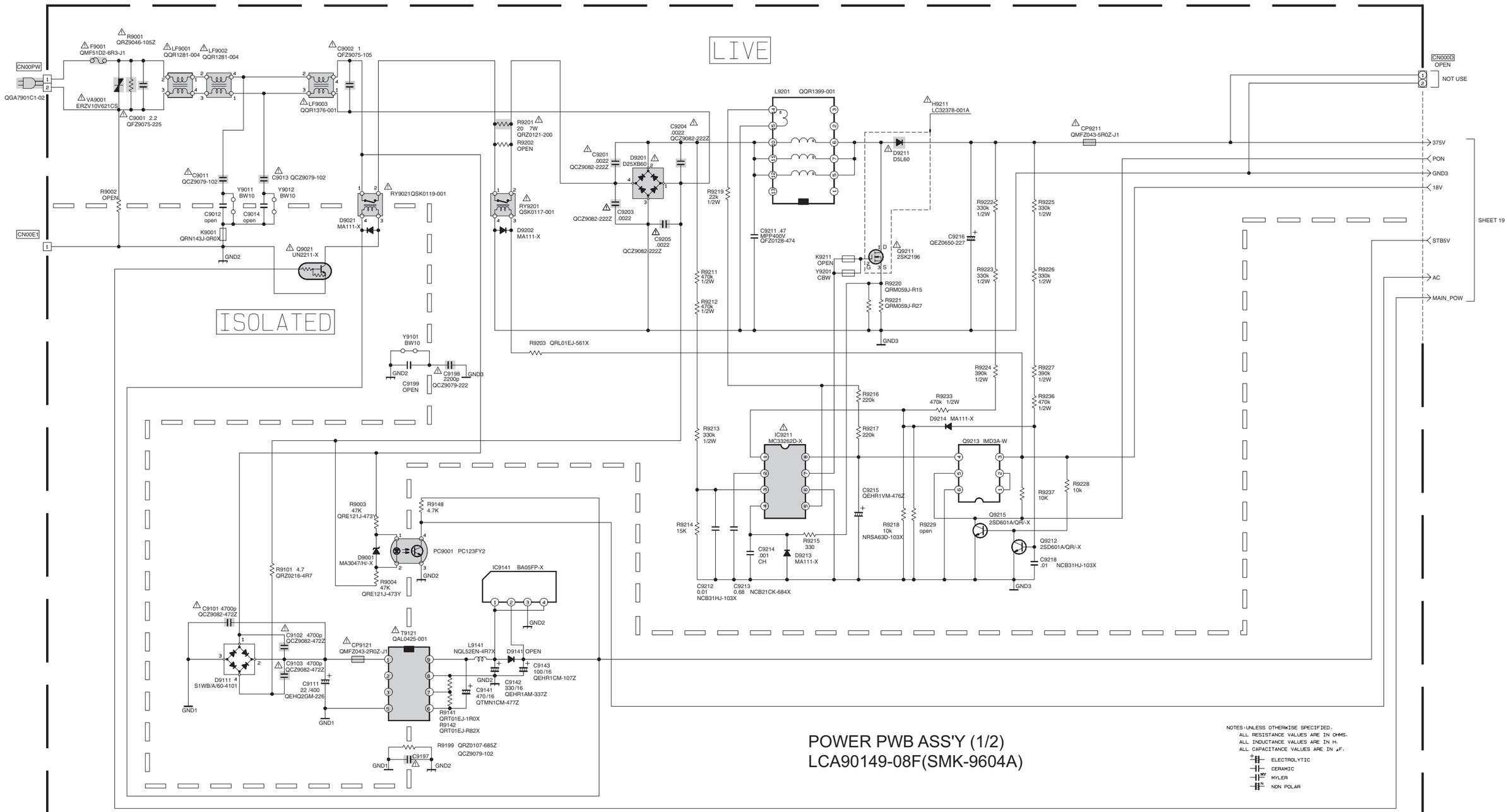
MI-COM & DIST PWB ASS'Y(10/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S

NOTES) 1. Please refer to page 2-62 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.



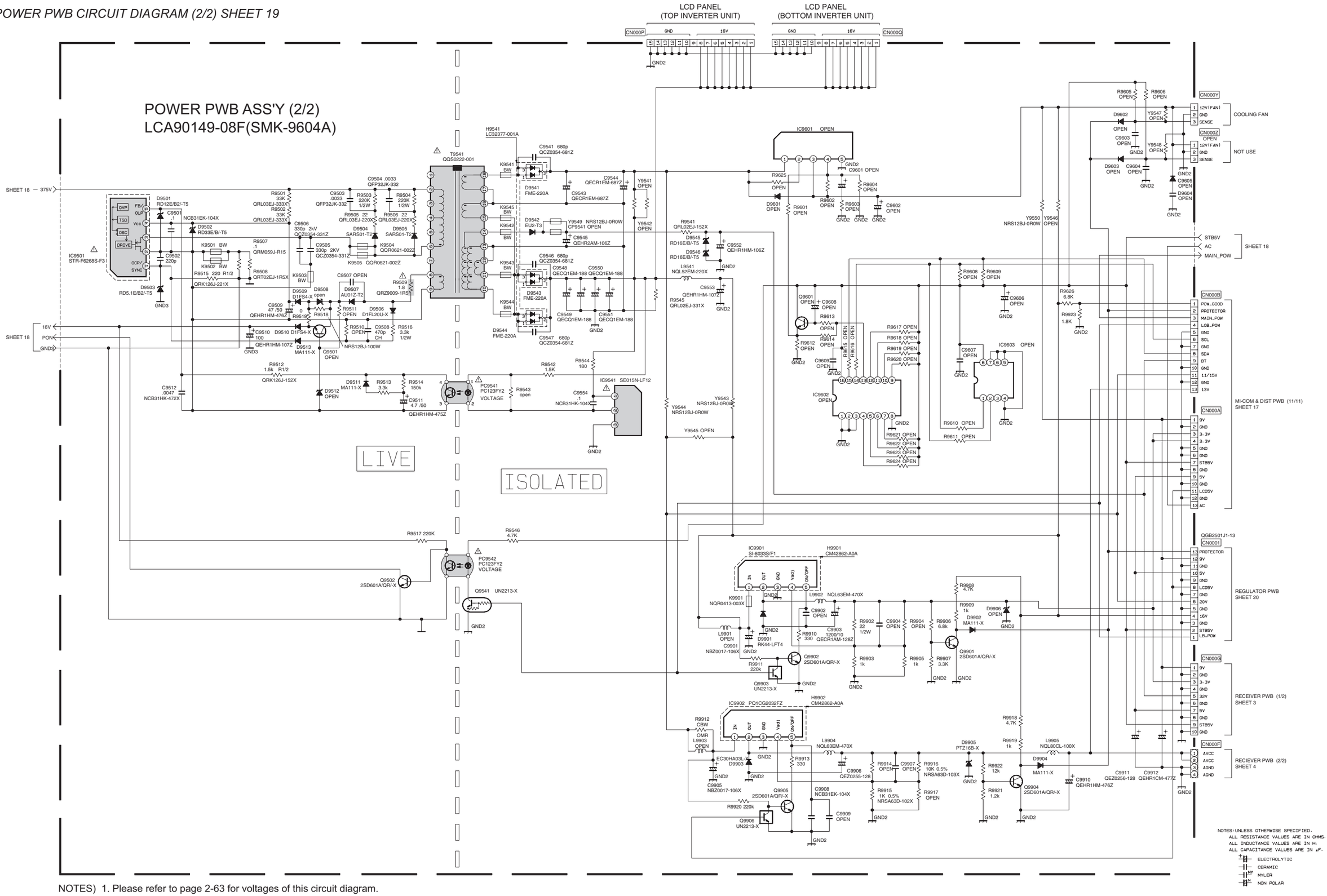
MI-COM & DIST PWB ASS'Y(11/11)
LCA10331-06C(SMK-0Z654A): LT-Z32S2
LCA10331-08C(SMK-0Z656A): LT-Z32S2/ A
LCA10331-07C(SMK-0Z655A): LT-Z32S2/ S

NOTES) 1. Please refer to page 2-62 for voltages of this circuit diagram.
2. Please refer to page 2-64 for waveformes of this circuit diagram.



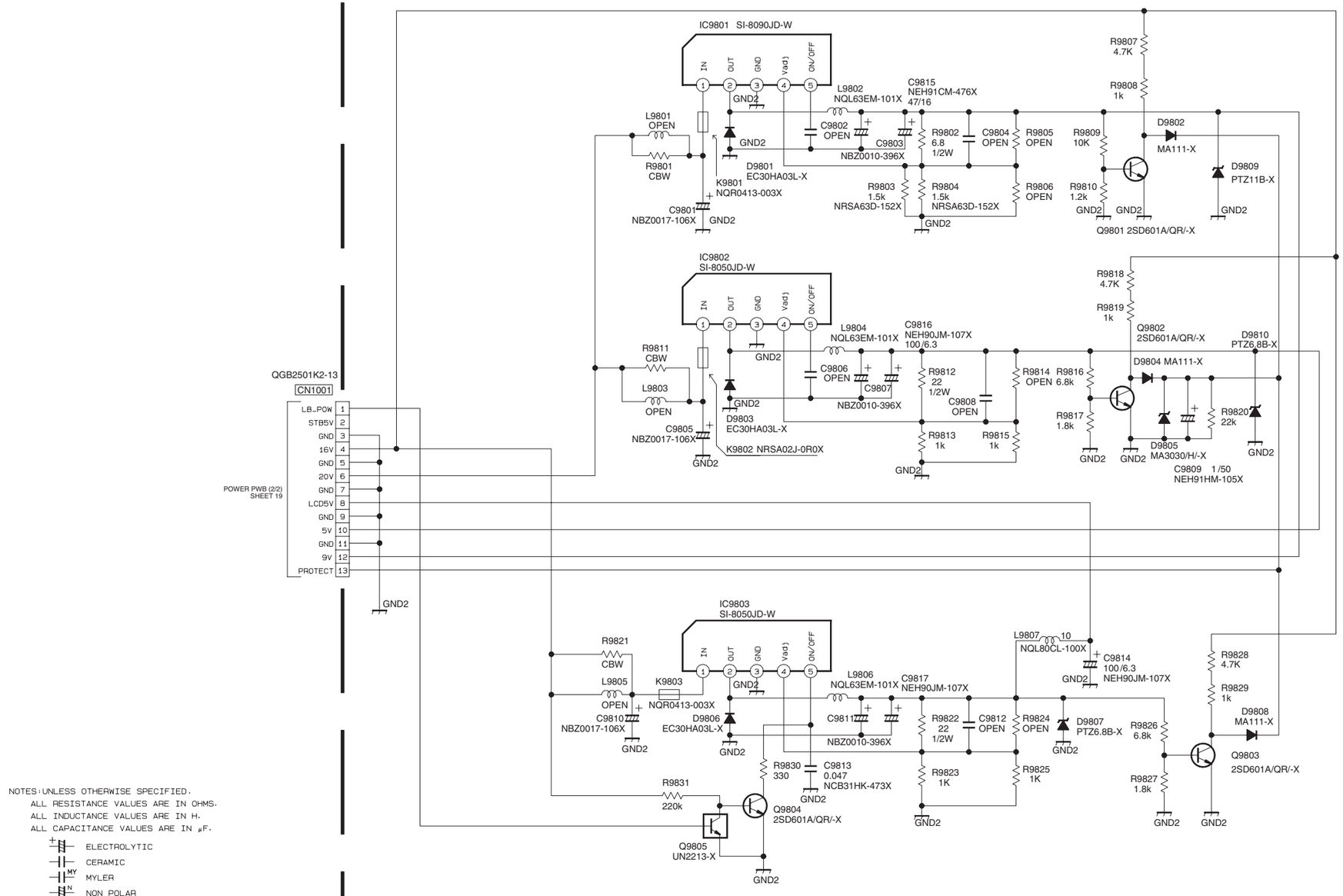
NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

POWER PWB ASS'Y (2/2)
LCA90149-08F(SMK-9604A)



NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

REGULATOR PWB ASS'Y
LCA90150-09D(SMK-9614A)

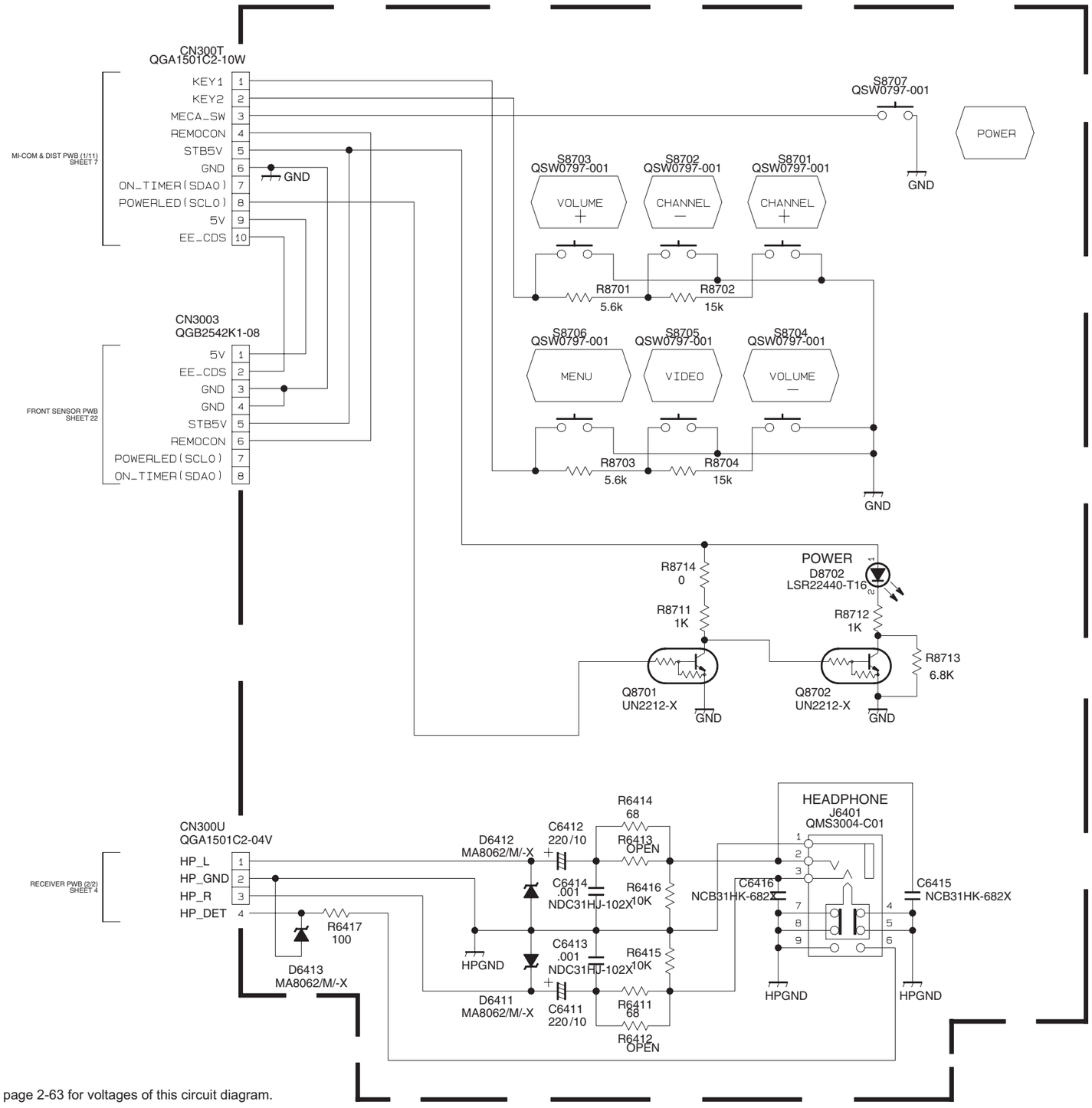


NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

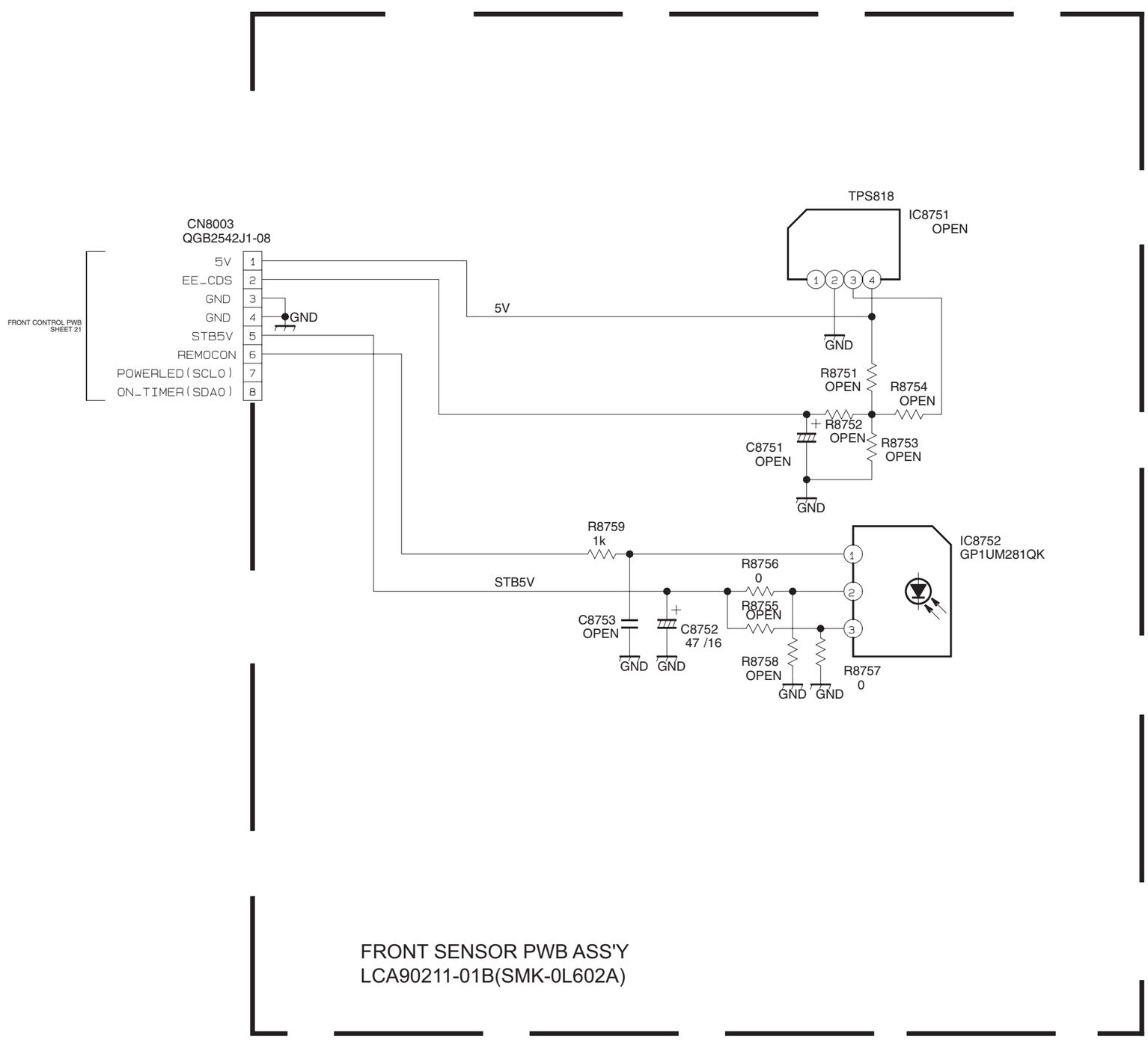
FRONT CONTROL PWB ASS'Y
LCA90210-01B(SMK-0L601A)



NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR



NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

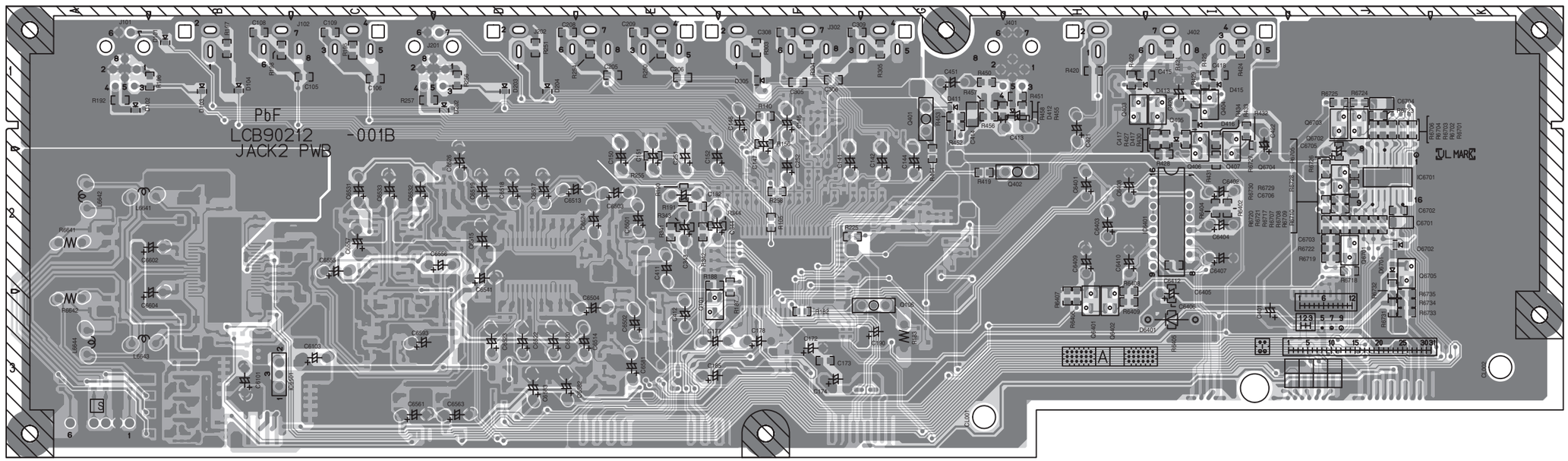
ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

NOTES) 1. Please refer to page 2-63 for voltages of this circuit diagram.

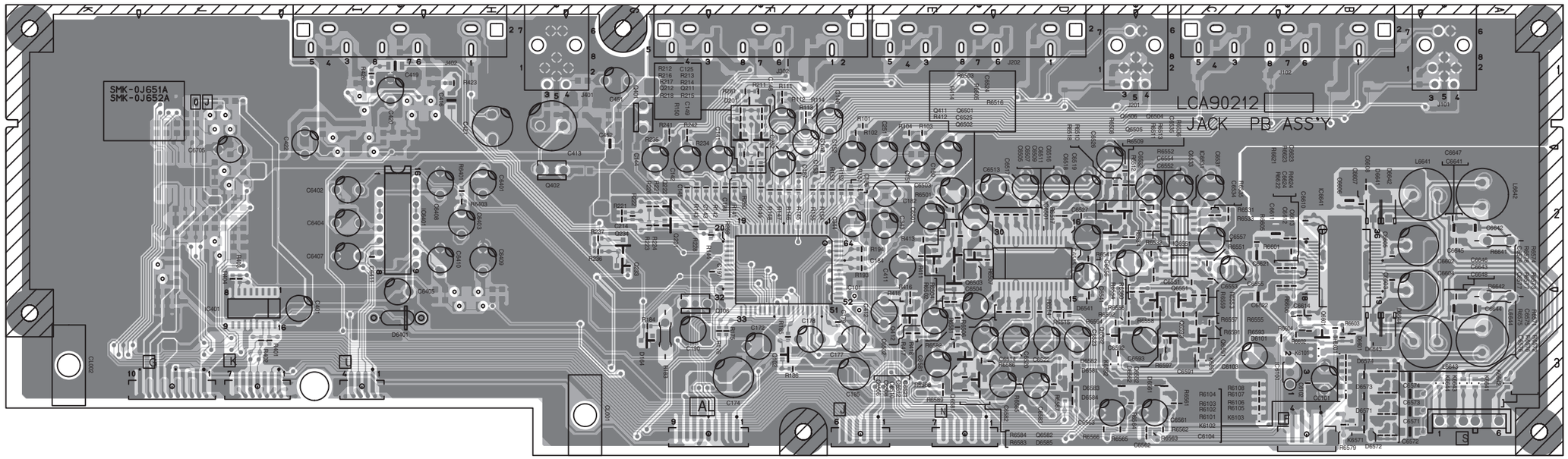
PATTERN DIAGRAMS

RECEIVER PWB PATTERN [SOLDER SIDE]

TOP

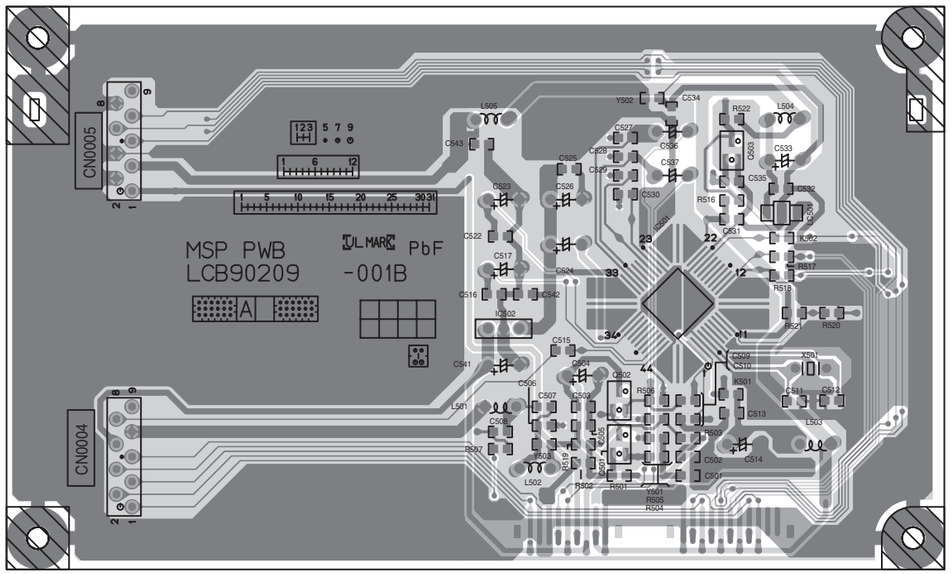


RECEIVER PWB PATTERN [PARTS SIDE]

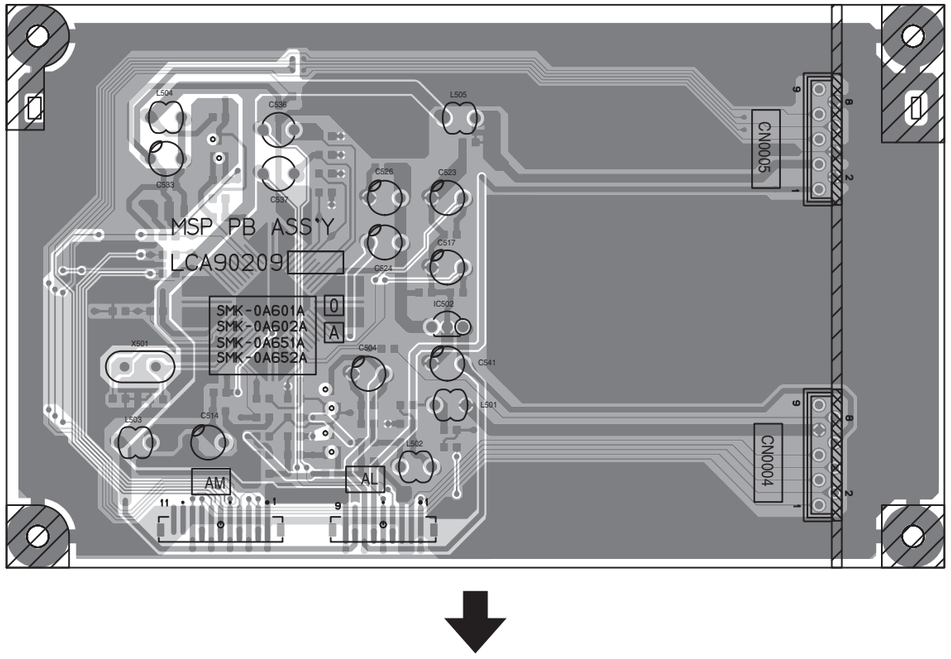


TOP

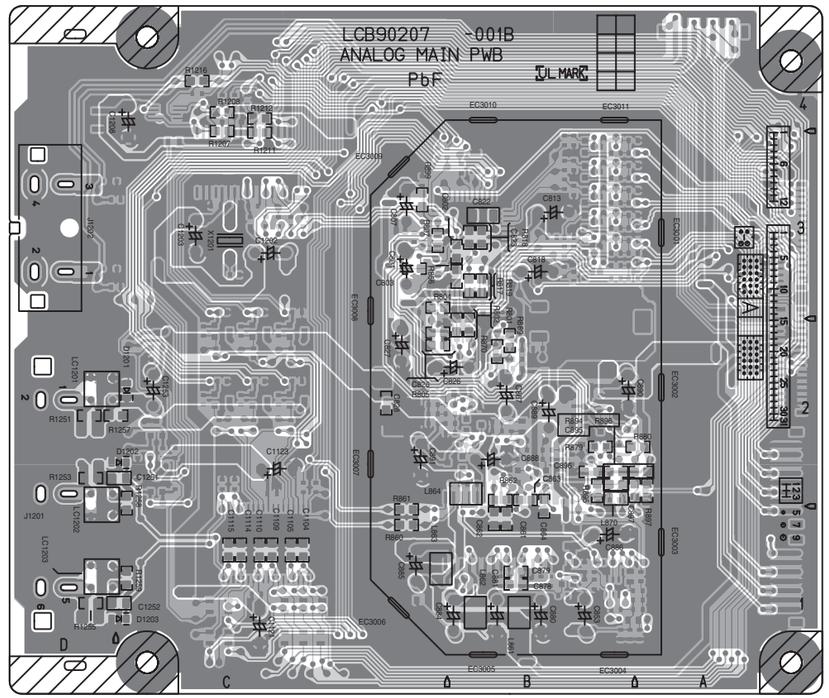
MSP PWB PATTERN [SOLDER SIDE]



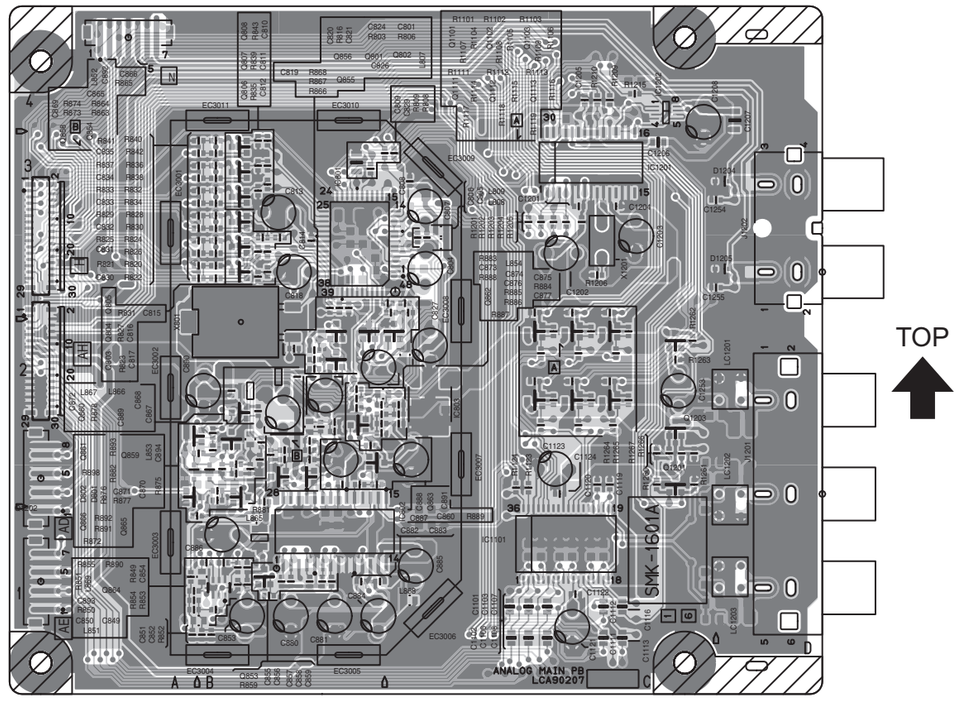
MSP PWB PATTERN [PARTS SIDE]



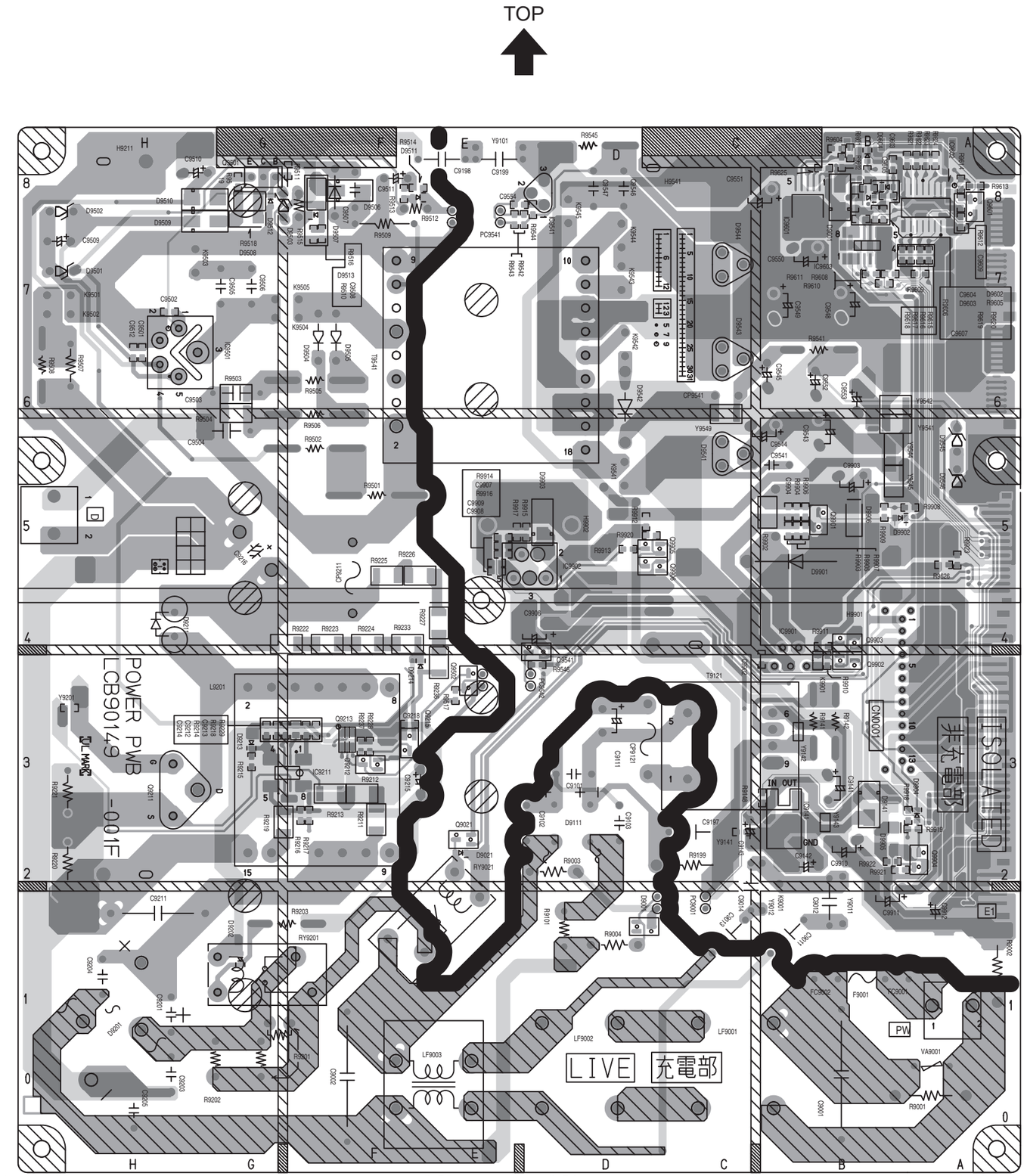
VIDEO PWB PATTERN [SOLDER SIDE]



VIDEO PWB PATTERN [PARTS SIDE]

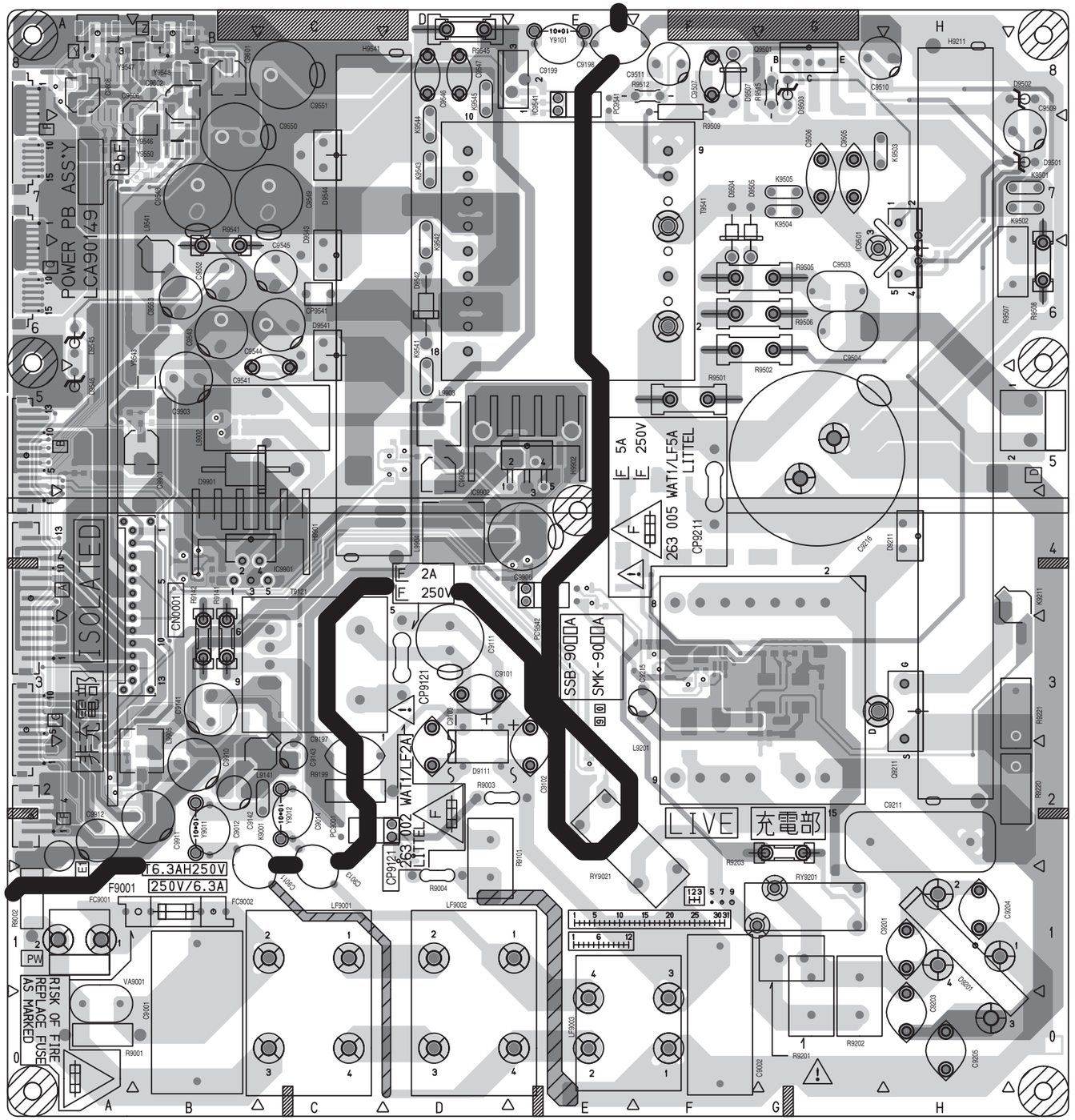


POWER PWB PATTERN [SOLDER SIDE]

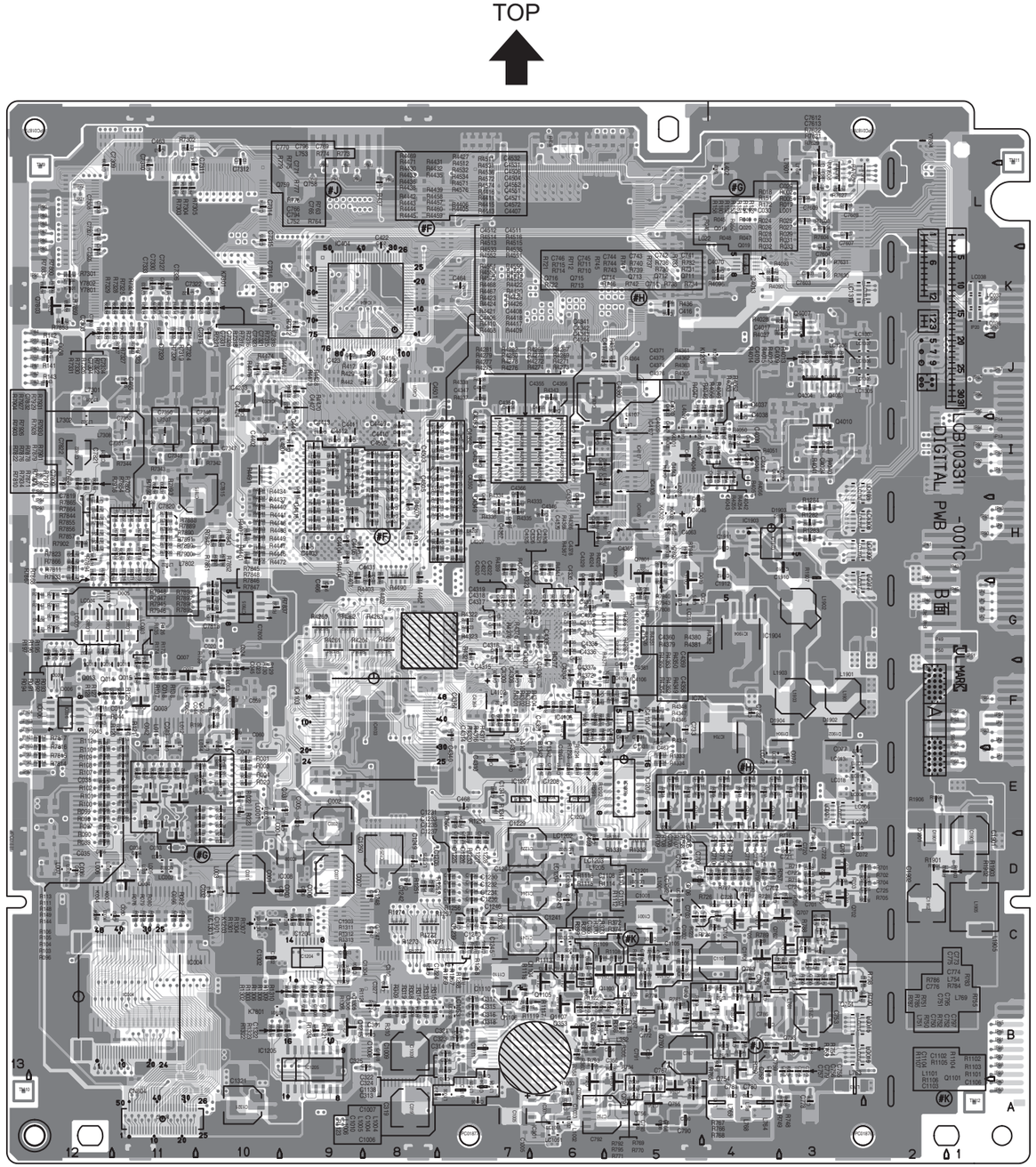


POWER PWB PATTERN [PARTS SIDE]

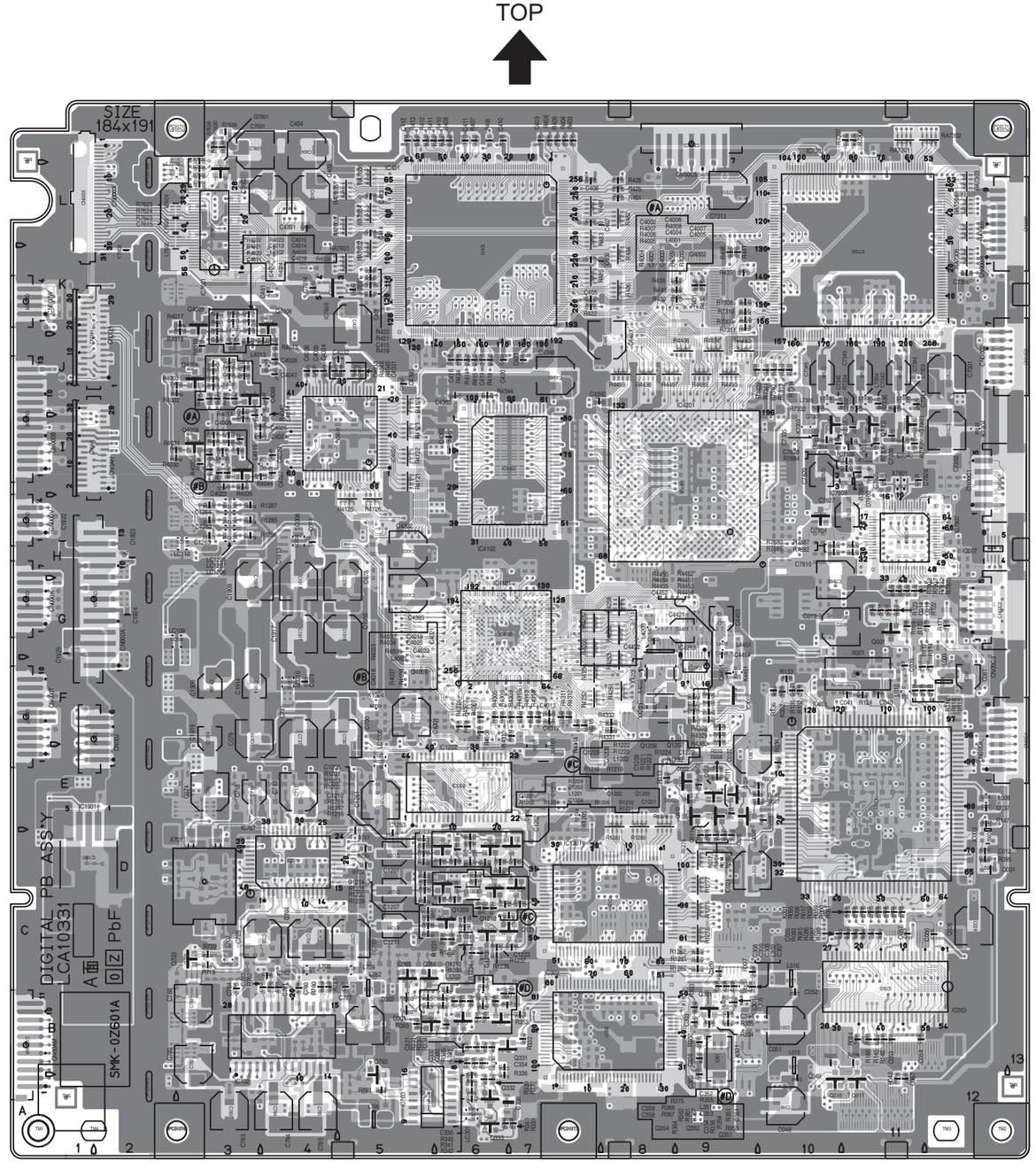
TOP



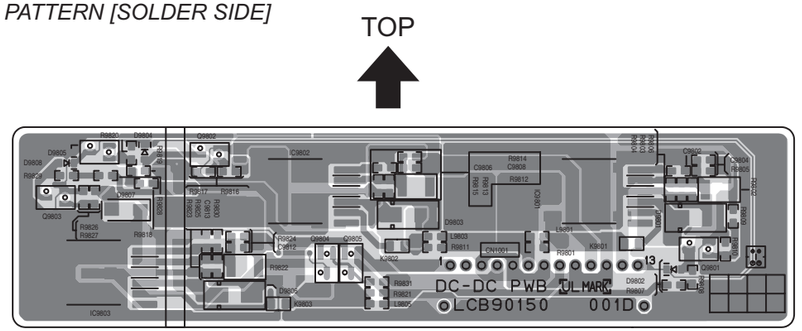
MI-COM & DIST PWB PATTERN [SOLDER SIDE]



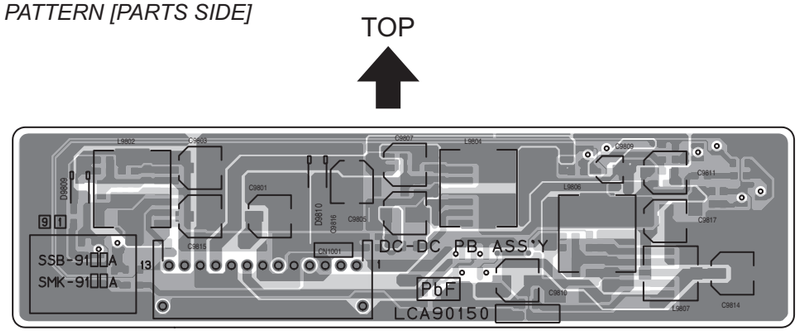
MI-COM & DIST PWB PATTERN [PARTS SIDE]



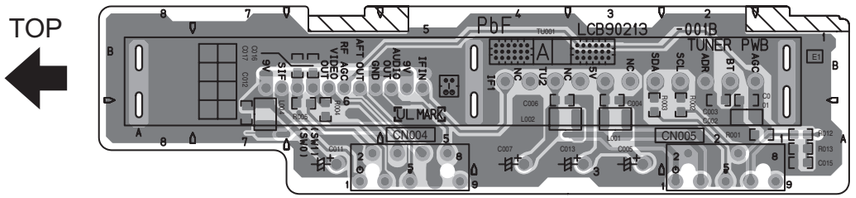
REGULATOR PWB PATTERN [SOLDER SIDE]



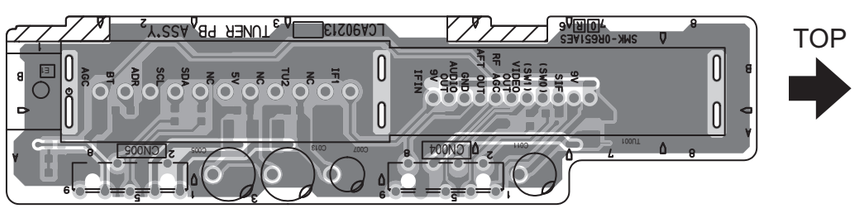
REGULATOR PWB PATTERN [PARTS SIDE]



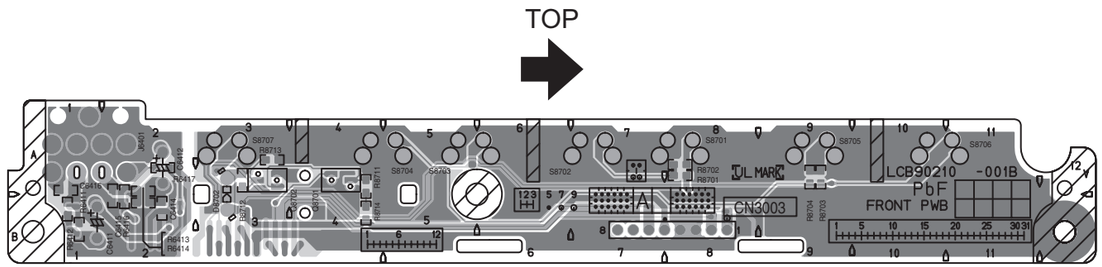
TUNER PWB PATTERN [SOLDER SIDE]



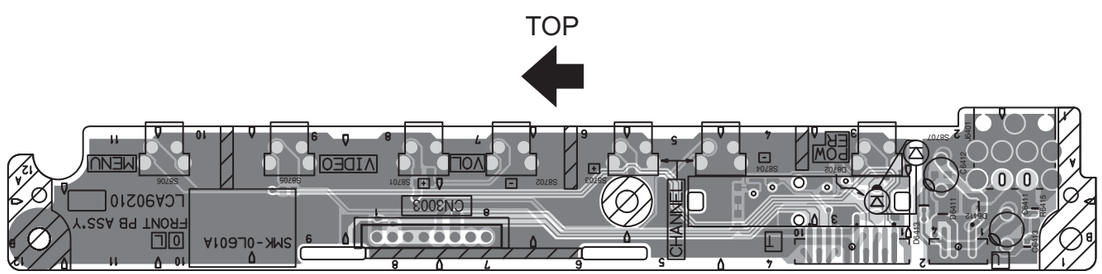
TUNER PWB PATTERN [PARTS SIDE]



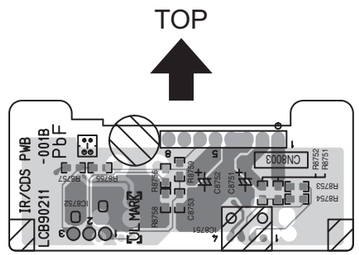
FRONT CONTROL PWB PATTERN [SOLDER SIDE]



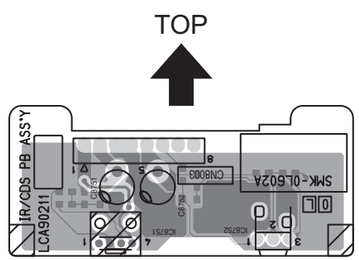
FRONT CONTROL PWB PATTERN [PARTS SIDE]



FRONT SENSOR PWB PATTERN [SOLDER SIDE]



FRONT SENSOR PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<MI-COM & DIST>

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC001	
1	0.3
2	0.2
3	0.4
4	0.4
5	2.6
6	3.3
7	3.3
8	3.3
9	0
10	1.8
11	0
12	3.3
13	0
14	3.3
15	0
16	0
17	0
18	0
19	0
20	0
21	2.5
22	0
23	1.7
24	1.6
25	0
26	1.6
27	1.9
28	3.2
29	0
30	0
31	0
32	3.3
33	2.9
34	1.3
35	2.3
36	1.6
37	1.3
38	0
39	2.9
40	1.1
41	0
42	3.3
43	0.8
44	3.3
45	3.3
46	1.2
47	0
48	0
49	0
50	3.3
51	0.7
52	0
53	3.3
54	1.6
55	1.7
56	1.0
57	1.0
58	0.6
59	1.0
60	0
61	3.3
62	1.0
63	0.3
64	0.3
65	1.3
66	1.0
67	0.7
68	0
69	3.3
70	0.3
71	2.6
72	0.3
73	3.3
74	3.3
75	3.3
76	2.6
77	1.4
78	0
79	0
80	2.7
81	2.6
82	3.3
83	3.3
84	0
85	3.3
86	0
87	2.5
88	3.2
89	3.3
90	3.2
91	3.3
92	3.3
93	3.3
94	3.3
95	3.2
96	3.2
97	3.3

MODE PIN NO.	DC (V)
98	3.3
99	3.3
100	3.0
101	3.3
102	3.2
103	3.2
104	0
105	0.9
106	3.3
107	0
108	0.5
109	0.4
110	0
111	2.5
112	0.3
113	0.3
114	0.3
115	0
116	2.5
117	0
118	0
119	2.5
120	0
121	0.7
122	0
123	2.5
124	2.6
125	2.5
126	1.5
127	2.5
128	0
IC002	
1	3.3
2	3.2
3	0
4	0
IC003	
1	3.3
2	0.1
3	3.3
4	1.3
5	1.1
6	0
7	0.6
8	0.1
9	3.2
10	0.9
11	1.5
12	0
13	1.6
14	3.3
15	0
16	3.2
17	2.7
18	2.9
19	2.6
20	1.3
21	1.4
22	0
23	0
24	0
25	1.7
26	1.5
27	3.3
28	0
29	0.9
30	2.3
31	2.4
32	2.4
33	0
34	0
35	0
36	0
37	3.2
38	1.4
39	0
40	0
41	0
42	0.6
43	3.3
44	0.2
45	0.2
46	0
47	0.4
48	0.3
49	3.2
50	0.3
51	1.7
52	0.3
53	1.7
54	0
IC006	
1	0
2	0
3	0
4	0
5	3.3
6	3.3

MODE PIN NO.	DC (V)
7	0
8	3.3
IC007	
1	3.3
2	3.2
3	3.3
4	0
5	3.2
6	3.3
7	3.3
8	3.3
IC008	
1	4.9
2	0
3	1.2
4	2.5
5	3.3
Q001	
E	0
C	3.2
B	0
Q003	
E	0
C	3.3
B	0
Q004	
E	0
C	0
B	0.2
Q007	
E	1.5
C	0
B	0.9
Q008	
E	5.0
C	0
B	4.5
Q009	
E	4.0
C	4.4
B	2.5
Q010	
E	4.1
C	5.0
B	4.6
Q011	
E	0
C	0
B	0
Q012	
E	0
C	4.3
B	0
Q013	
S	3.3
D	3.3
G	4.9
Q014	
S	3.3
D	3.3
G	4.9
Q015	
S	3.3
D	3.3
G	4.9

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC701	
1	2.4
2	1.9
3	1.2
4	0.3
5	2.3
6	5.0
7	2.5
8	0
9	0.4
10	0.8
11	2.5
12	5.1
13	4.9
14	5.0
15	0
16	0
17	0
18	0
19	1.3
20	2.5
21	1.7
22	1.9
23	1.9
24	0
25	2.5
26	2.5
27	2.5
28	0
29	0
30	0
31	0
32	5.0
33	2.5
34	2.5
35	2.5
36	0
37	5.0
38	4.0
39	1.7
40	3.3
41	2.0
42	0
43	1.7
44	2.0
45	5.0
46	2.0
47	0
48	1.8
IC702	
1	1.2
2	3.1
3	5.0
4	2.5
5	0
6	1.8
7	2.3
8	0
9	0
10	0
11	4.9
12	0
13	5.0
14	0
15	4.9
16	5.0
17	0
18	0
19	2.5
20	5.0
21	0
22	2.8
23	2.8
24	3.4
25	2.8
26	0
27	3.0
28	1.6
IC703	
1	1.3
2	2.5
3	1.6
4	2.7
5	2.7
6	0
7	0
8	0
9	0
10	0
11	0
12	0.2
13	0.2
14	0.2
15	2.5
16	8.7
IC704	
1	0
2	0

MODE PIN NO.	DC (V)
3	5.1
IC1207	
1	3.2
2	0.4
3	0
4	0
5	3.2
6	0.2
7	0
8	3.3
IC1208	
1	0
2	0.3
3	3.3
4	0
5	0
6	0.2
7	0
8	3.3
Q701	
E	2.7
C	0
B	2.1
Q702	
E	2.3
C	0
B	1.8
Q703	
E	1.7
C	0
B	1.2
Q704	
E	1.9
C	4.5
B	2.5
Q705	
E	5.1
C	2.3
B	4.5
Q707	
E	2.9
C	0
B	2.3
Q711	
E	1.6
C	5.0
B	2.2
Q712	
E	1.6
C	5.0
B	2.2
Q713	
E	1.6
C	5.0
B	2.2
Q714	
E	1.6
C	5.0
B	2.2
Q715	
E	1.6
C	5.0
B	2.2
Q716	
E	1.6
C	5.0
B	2.2
Q753	
E	2.6
C	8.7
B	3.1
Q754	
E	2.2
C	8.7
B	2.8
Q755	
E	1.4
C	8.0
B	2.0
Q756	
E	8.7
C	2.5
B	8.1
Q758	
E	2.4
C	8.7
B	3.0
Q759	
E	2.1
C	8.1
B	2.6
Q760	
E	8.7
C	2.6
B	8.0
Q762	
E	1.0
C	4.0

MODE PIN NO.	DC (V)
B	1.5
Q763	
E	3.4
C	5.0
B	4.0
Q764	
1	0
2	0
3	0.6
4	0
5	0
6	0.6
Q791	
E	1.9
C	8.6
B	2.5
Q792	
E	2.1
C	8.7
B	2.7
Q793	
E	0
C	0
B	3.0

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC301	
1	5.0
2	0
3	0
4	5.0
5	2.5
IC302	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	3.4
12	3.3
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	2.5
32	2.5
33	0
34	0
35	0
36	0
37	0
38	3.3
39	0
40	0
41	0
42	0
43	0
44	0
45	2.5
46	2.5
47	1.2
48	1.2
49	0
50	1.4
51	0
52	0
53	2.5
54	0
55	0
56	1.4
57	3.2
58	2.6
59	4.8
60	5.0
61	0
62	0
63	3.2
64	2.5
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	5.0
77	0
78	0
79	0
80	0
81	2.5
82	1.0
83	1.4
84	1.0
85	1.0
86	0
87	0
88	0.7
89	0.8
90	0.7
91	1.2

MODE PIN NO.	DC (V)
92	2.5
93	2.5
94	0
95	0
96	1.1
97	0
98	0
99	0
100	2.5
Q331	
E	1.6
C	0
B	1.0
Q332	
E	1.1
C	8.1
B	1.7
Q333	
E	8.6
C	1.3
B	8.1
Q351	2.0
E	2.0
C	0
B	1.4
Q352	
E	1.4
C	8.1
B	2.0
Q353	
E	8.6
C	1.6
B	8.0
Q354	
E	1.6
C	0
B	1.2
Q1101	
E	5.6
C	8.7
B	6.2
Q1102	
E	4.2
C	8.7
B	4.7
Q1103	
E	2.1
C	0
B	2.1
Q1104	
E	3.0
C	4.5
B	3.5
Q1105	
E	5.0
C	0.2
B	4.4
Q1106	
E	0
C	5.0
B	0.2
Q1107	
E	0
C	0
B	3.0

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC1201	
1	1.3
2	1.4
3	1.5
4	1.4
5	1.6
6	1.5
7	1.5
8	0.9
9	0.9
10	3.3
11	2.6
12	1.3
13	1.9
14	4.8
15	4.9
16	0
17	0
18	0
19	0
20	0
21	0
22	3.3
23	3.3
24	3.3
25	2.0
26	3.3
27	3.3
28	0
29	0
30	1.9
31	0
32	2.3
33	1.0
34	1.3
35	1.6
36	0.8
37	3.3
38	2.3
39	1.0
40	1.6
41	1.6
42	1.6
43	0
44	3.3
45	0
46	0
47	0
48	3.3
49	0
50	0
51	0
52	2.9
53	3.3
54	1.3
55	0
56	1.6
57	0
58	0
59	0.9
60	2.2
61	2.4
62	2.4
63	2.2
64	2.2
65	0
66	1.4
67	3.3
68	0.6
69	0.9
70	0
71	1.2
72	2.6
73	1.7
74	1.8
75	1.5
76	1.6
77	1.6
78	0
79	0
80	0
81	1.7
82	3.7
83	3.5
84	3.1
85	5.2
86	3.5
87	3.5
88	3.3
89	1.4
90	0
91	2.2
92	2.5
93	2.5
94	3.8
95	5.2
96	2.0
97	2.3

MODE PIN NO.	DC (V)
98	1.5
99	1.0
100	0
IC1202	
1	5.2
2	1.7
3	3.6
4	3.3
5	3.1
6	5.2
7	3.5
8	3.6
9	3.3
10	1.4
13	0
14	0
15	2.0
16	1.3
17	0
18	0.9
19	0.9
20	1.5
21	1.5
22	0
23	0
24	1.6
25	1.5
26	1.5
27	1.4
28	1.3
29	0
30	2.6
31	2.6
32	0
35	0.9
36	1.5
37	2.3
38	2.1
39	0
40	3.8
41	2.4
42	2.5
43	2.2
44	0
IC1203	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
IC1204	
1	3.3
2	0
3	1.4
4	0.2
5	1.6
6	2.3
7	0
8	0
9	0
10	0
11	0
12	2.2
13	2.6
14	3.3
IC1205	
1	0.2
2	3.0
3	0.2
4	0.1
5	3.0
6	0
7	0
8	0
9	5.0
10	5.0
11	5.0
12	3.0
13	0.2
14	0.2
15	0.2
16	5.1
Q1201	
E	3.9
C	8.7
B	4.5
Q1202	
E	1.8
C	8.1
B	2.3
Q1203	
E	8.7
C	2.2
B	8.1
Q1205	

MODE PIN NO.	DC (V)
E	3.8
C	8.7
B	4.4
Q1206	
E	1.3
C	8.1
B	1.8
Q1207	
E	8.7
C	1..6
B	8.1
Q1209	
E	3.8
C	8.7
B	4.4
Q1210	
E	1.3
C	8.1
B	1.9
Q1211	
E	8.7
C	1.7
B	8.1
Q1215	
E	0
C	5.0
B	0.2

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC1206	
1	3.2
2	3.3
3	3.3
4	3.0
5	0.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	3.3
15	3.0
16	3.3
IC4001	
1	0
2	3.3
3	3.3
4	3.3
5	3.3
6	3.3
7	3.3
8	3.3
9	3.3
10	0
11	3.3
12	3.3
13	3.3
14	3.3
15	3.3
16	3.3
17	3.3
18	3.3
19	3.3
20	0
21	0
22	3.3
23	3.3
24	0
25	0
26	3.3
27	3.3
28	0
29	0
30	0.2
31	0
32	0
33	3.3
34	3.3
35	3.3
36	0
37	0.2
38	0.2
39	3.3
40	0
41	0
42	3.3
43	0
44	0
45	3.3
46	3.3
47	0
48	0
49	0.4
50	0
51	3.3
52	3.3
53	0
54	0
55	3.3
56	3.2
57	3.2
58	1.2
59	3.3
60	0
61	0
62	3.3
63	0
64	3.1
65	0.2
66	0
67	0
68	0
69	3.3
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	3.2
79	3.2
80	0

MODE PIN NO.	DC (V)
IC4013	
1	0.2
2	0
3	0.2
4	0
5	0
6	0
7	0.2
8	3.3
Q4001	
E	3.0
C	8.6
B	3.6
Q4002	
E	2.6
C	0
B	1.9
Q4003	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
Q4005	
E	3.0
C	8.7
B	3.7
Q4006	
E	2.5
C	0
B	1.7
Q4007	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
Q4008	
E	2.9
C	8.7
B	3.6
Q4009	
E	2.4
C	0
B	1.7
Q4010	
1	0
2	0.5
3	0
4	0
5	0.5
6	0

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
IC4102	
1	1.3
2	2.6
3	1.3
4	1.2
5	0
6	1.3
7	1.3
8	2.6
9	1.3
10	1.2
11	0
12	1.3
13	1.3
14	2.6
15	2.6
16	0
17	1.3
18	1.2
19	0
20	1.3
21	1.3
22	2.6
23	0
24	0
25	2.5
26	2.5
27	2.5
28	0
29	1.9
30	1.3
31	1.2
32	1.2
33	1.2
34	1.3
35	2.6
36	2.1
37	2.1
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	1.3
48	1.3
49	2.1
50	1.3
51	1.5
52	0
53	2.6
54	1.4
55	1.2
56	0
57	0
58	1.3
59	2.6
60	1.3
61	1.3
62	0
63	1.3
64	1.3
65	2.6
66	0
67	2.6
68	1.3
69	1.2
70	0
71	1.3
72	1.2
73	2.6
74	1.3
75	1.3
76	0
77	1.2
78	1.3
79	2.6
80	1.3
81	1.3
82	0
83	1.3
84	1.2
85	0
86	2.6
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.3
95	2.6
96	2.6
97	1.3

MODE PIN NO.	DC (V)
98	1.2
99	0
100	1.3
IC4104	
1	0
2	0
3	0
4	0
5	3.3
6	3.3
7	0
8	0
IC4105	
1	3.3
2	3.3
3	0
4	3.3
5	3.3
IC4106	
1	0
2	0
3	0
4	0
IC4107	
1	2.6
2	2.6
3	1.4
4	1.2
5	0
IC4108	
1	2.6
2	2.6
3	1.8
4	1.2
5	0

[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC4203	
1	2.6
2	0
3	1.5
4	2.6
5	1.5

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC401	
1	0
2	3.3
3	2.6
4	0.7
5	0.8
6	1.5
7	1.8
8	2.0
9	1.0
10	1.1
11	1.1
12	0
13	0.9
14	1.0
15	1.6
16	1.6
17	1.6
18	1.6
19	1.3
20	1.7
21	0
22	3.3
23	2.6
24	1.7
25	1.0
26	0.6
27	0.8
28	1.6
29	1.4
30	1.9
31	1.9
32	0
33	1.7
34	1.5
35	1.8
36	1.1
37	0.6
38	0.7
39	0
40	0
41	2.6
42	3.3
43	1.5
44	0
45	0
46	0
47	0
48	3.3
49	0
50	3.3
51	0
52	0.3
53	0
54	3.3
55	0
56	3.3
57	0
58	0
59	0
60	3.2
61	0
62	2.6
63	3.3
64	1.3
65	0
66	0
67	1.3
68	0
69	0.4
70	1.2
71	0.7
72	0.8
73	0
74	3.3
75	2.6
76	0
77	0
78	1.3
79	0
80	0
81	1.3
82	0
83	0.6
84	0.7
85	0.5
86	0.6
87	0
88	0
89	0
90	3.3
91	2.6
92	1.2
93	0
94	0.6
95	0.7
96	0.3
97	0

MODE PIN NO.	DC (V)
98	0.7
99	0.6
100	0
101	0
102	0
103	3.2
104	3.2
105	0
106	3.3
107	2.6
108	1.1
109	0
110	1.5
111	1.7
112	1.7
113	1.6
114	0
115	1.7
116	1.5
117	1.3
118	1.7
119	0
120	0
121	0
122	0
123	3.2
124	2.6
125	0
126	0
127	0
128	2.0
129	0
130	1.2
131	1.2
132	0.8
133	1.2
134	0
135	0
136	0
137	0
138	3.2
139	2.6
140	1.7
141	1.5
142	1.5
143	0
144	1.5
145	1.4
146	1.1
147	1.2
148	0
149	0
150	3.2
151	2.6
152	0
153	0
154	3.2
155	1.2
156	0
157	3.2
158	2.6
159	0
160	0
161	0
162	0
163	0
164	1.3
165	0.9
166	0.6
167	1.2
168	0.4
169	0
170	3..3
171	2.6
172	1.2
173	0
174	0
175	1.3
176	1.2
177	0
178	0.6
179	0.4
180	0
181	3.3
182	2.6
183	0.7
184	0.6
185	1.3
186	0
187	0
188	0
189	0
190	1.2
191	0
192	0.6
193	0.6
194	0.9
195	0.3

MODE PIN NO.	DC (V)
196	0.7
197	0.6
198	0
199	1.2
200	0
201	1.2
202	0
203	0.2
204	0
205	0
206	3.3
207	2.6
208	2.0
209	2.1
210	1.4
211	1.9
212	0.7
213	0.7
214	0
215	0.6
216	0.6
217	0.6
218	2.7
219	2.0
220	2.3
221	0
222	3.3
223	2.6
224	1.2
225	1.7
226	0.5
227	0.7
228	0.9
229	0.9
230	0
231	0.9
232	2.3
233	0.9
234	1.0
235	1.2
236	1.1
237	0
238	3.2
239	2.6
240	0.9
241	2.2
242	1.8
243	1.5
244	0.8
245	0.7
246	0
247	0
248	0
249	1.1
250	0
251	3.3
252	2.6
253	0
254	0
255	0
256	0
IC404	
1	0
2	3.1
3	3.0
4	3.0
5	3.0
6	3.0
7	0
8	3.0
9	2.9
10	2.9
11	3.0
12	2.9
13	3.3
14	3.0
15	3.0
16	3.0
17	3.0
18	0
19	3.0
20	3.0
21	3.0
22	3.0
23	2.9
24	0.6
25	3.3
26	0
27	3.0
28	3.0
29	3.0
30	3.0
31	3.0
32	0
33	3.3
34	3.0
35	3.0
36	0

MODE PIN NO.	DC (V)
37	3.0
38	1.7
39	3.0
40	3.3
41	3.0
42	0
43	3.0
44	2.8
45	3.3
46	0
47	3.0
48	3.0
49	3.0
50	3.0
51	0
52	3.0
53	3.0
54	3.0
55	3.0
56	3.0
57	0
58	3.0
59	3.0
60	3.0
61	3.0
62	3.0
63	3.3
64	2.2
65	0
66	3.2
67	3.3
68	0
69	3.0
70	3.0
71	3.3
72	3.0
73	3.0
74	3.1
75	3.3
76	0
77	3.3
78	3.0
79	3.0
80	3.0
81	3.0
82	0
83	3.3
84	3.0
85	3.0
86	3.0
87	3.3
88	3.0
89	1.4
90	3.3
91	3.0
92	3.3
93	0
94	3.0
95	3.3
96	0
97	0
98	0.4
99	0
100	3.0
IC7601	
1	3.3
2	0.7
3	1.3
4	0.6
5	0
6	0.7
7	1.3
8	0.6
9	3.3
10	0.4
11	0
12	0
13	0
14	1.3
15	0.8
16	0.6
17	0
18	0.6
19	0.3
20	0.7
21	0
22	0.6
23	0
24	1.2
25	0.2
26	3.2
27	3.2
28	3.2
29	0
30	2.2
31	1.5
32	3.3
33	0

MODE PIN NO.	DC (V)
34	3.3
35	0
36	0
37	1.1
38	1.3
39	1.2
40	1.2
41	1.2
42	1.2
43	0
44	3.3
45	1.1
46	1.3
47	1.1
48	1.3
49	0
50	0.9
51	1.2
52	0.4
53	0
54	1.3
55	0
56	0
Q7601	
E	0
C	4.9
B	0
CN000X	
1	5.0
2	5.0
3	5.0
4	5.0
5	5.0
6	0
7	1.5
8	2.8
9	4.9
10	0
11	0
12	1.1
13	1.4
14	0
15	0
16	1.3
17	1.2
18	0
19	0
20	1.2
21	1.2
22	0
23	0
24	1.1
25	1.3
26	0
27	0
28	1.1
29	1.3
30	0
31	0

[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC7805	
1	0
2	0
3	0
4	0
5	2.8
6	2.8
7	0
8	3.3
IC7807	
1	0
2	0
3	3.3
4	3.1
5	0
6	3.3
7	3.3
8	0
9	0
10	1.6
11	1.7
12	3.3
13	0
14	0
15	0
16	0
17	3.3
18	0
19	0
20	0
21	0
22	0
23	2.8
24	1.6
25	2.8
26	2.8
27	2.7
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	3.3
36	0
37	0
38	0
39	3.3
40	0
41	3.3
42	3.3
43	3.2
44	0
45	0
46	0
47	3.3
48	0
49	3.3
50	3.3
51	0
52	3.3
53	0
54	0
55	3.3
56	3.3
57	0
58	0
59	0
60	0
61	0
62	1.7
63	3.3
64	3.3
IC7809	
1	3.3
2	3.3
3	0
4	0
Q7801	
E	0.2
C	3.2
B	0
Q7803	
E	0
C	0.2
B	0

[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC7301	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	3.3
28	0
29	1.5
30	0
31	0.1
32	3.3
33	0
34	0.2
35	0.2
36	0.2
37	0.2
38	0.2
39	0.2
40	0.2
41	0.2
42	3.3
43	0
44	0.2
45	0.2
46	0.2
47	0.2
48	0.2
49	0.2
50	0.2
51	0.2
52	0
53	3.3
54	0
55	0.2
56	0.2
57	0.2
58	0.2
59	0.2
60	0.2
61	0.2
62	0.2
63	3.3
64	0.1
65	0.4
66	0
67	1.1
68	3.3
69	0
70	1.3
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	1.6
80	0
81	0.2
82	0.3
83	0
84	0
85	3.3
86	0
87	0.7
88	0.8
89	1.5
90	1.8
91	2.1
92	1.3
93	1.0
94	1.1
95	2.4
96	0.9
97	0.8

MODE PIN NO.	DC (V)
98	0.9
99	0.7
100	0.5
101	1.8
102	1.2
103	3.3
104	0
105	0
106	2.7
107	0.6
108	0.6
109	0.6
110	0.7
111	0
112	0
113	1.1
114	0
115	3.3
116	1.2
117	0
118	0.6
119	0.7
120	0.5
121	0.8
122	0.7
123	0.6
124	0.1
125	0
126	0
127	3.2
128	1.3
129	0
130	0
131	1.3
132	0.8
133	0.5
134	0.6
135	0.5
136	0
137	0
138	0
139	3.3
140	1.3
141	0
142	0
143	1.3
144	0.6
145	1.1
146	1.0
147	0.7
148	0.4
149	0
150	0
151	3.3
152	2.2
153	0.2
154	3.3
155	1.4
156	0
157	0
158	0.5
159	2.8
160	0
161	3.3
162	0
163	0
164	0
165	0
166	0
167	0
168	0
169	0
170	0
171	0
172	3.3
173	3.3
174	2.1
175	2.7
176	2.7
177	0
178	1.6
179	0
180	3.3
181	2.0
182	1.7
183	2.7
184	2.7
185	2.1
186	1.5
187	1.2
188	0
189	3.3
190	1.6
191	2.1
192	2.7
193	2.7
194	2.1
195	0

MODE PIN NO.	DC (V)
196	0
197	3.3
198	3.3
199	2.8
200	2.7
201	0
202	0
203	0
204	0.2
205	0.2
206	0
207	3.2
208	0
Q7301	
E	3.3
C	0
B	2.7
Q7302	
E	3.3
C	0
B	2.7
Q7303	
E	3.3
C	0
B	2.7

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC1901	
1	3.3
2	3.4
3	2.6
4	1.3
5	0
IC1904	
1	5.2
2	5.2
3	3.3
4	0
5	0

VOLTAGE CHARTS

<TUNER>
[P.2-5 - P.2-6]

MODE PIN NO.	DC (V)
TU001	
1	3.8
2	6.6
3	0
4	4.9
5	4.9
6	0
7	5.0
8	0
9	31.3
10	0
11	4.4
12	4.4
13	9.0
14	1.7
15	0
16	4.5
17	3.8
18	3.0
19	0
20	2.5
21	0
22	9.0

<MSP>
[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC501	
1	5.2
2	1.5
3	1.5
4	0
5	2.5
6	2.4
7	0.1
8	0
9	0
10	2.6
11	5.2
12	4.9
13	4.9
14	0.1
15	0.1
16	0.1
17	0.1
18	0.1
19	5.1
20	0
21	0.2
22	5.1
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	3.8
31	3.7
32	0
33	7.9
34	6.8
35	0
36	3.7
37	3.7
38	3.7
39	0
40	3.7
41	3.7
42	2.6
43	3.7
44	0
IC502	
1	7.9
2	0
3	9.0
Q501	
E	2.2
C	6.6
B	2.8
Q502	
E	5.9
C	9.0
B	6.5
Q503	
E	0
C	5.2
B	0

<RECEIVER>
[P.2-9 - P.2-12]

MODE PIN NO.	DC (V)
IC101	
1	4.3
2	4.5
3	3.9
4	4.5
5	4.4
6	6.8
7	8.0
8	3.9
9	4.4
10	3.9
11	4.4
12	4.4
13	6.8
14	8.0
15	3.9
16	4.5
17	3.9
18	4.4
19	4.4
20	6.8
21	4.9
22	4.5
23	4.5
24	4.5
25	4.5
26	4.4
27	0.2
28	5.0
29	4.4
30	4.5
31	4.5
32	0
33	4.9
34	4.9
35	0
36	0
37	4.4
38	4.5
39	3.7
40	4.5
41	4.4
42	9.0
43	4.5
44	4.3
45	4.5
46	3.7
47	4.4
48	0
49	4.8
50	4.5
51	4.4
52	4.5
53	4.4
54	4.5
55	3.7
56	4.1
57	0
58	4.2
59	4.5
60	3.9
61	4.5
62	4.5
63	4.8
64	4.5
IC401	
1	2.5
2	2.5
3	0.3
4	0.3
5	0.3
6	2.8
7	0
8	25
9	2.5
10	0
11	0
12	5.2
13	4.9
14	4.9
15	5.2
16	
IC6101	
1	13.9
2	0
3	11.7
IC6401	
1	0
2	1.9
3	1.9
4	1.9
5	1.9
6	3.8
7	1.8
8	0
9	4.5
10	1.8
11	1.8

MODE PIN NO.	DC (V)
12	1.9
13	1.9
14	1.9
15	1.9
16	1.9
IC6501	
1	5.8
2	5.9
3	5.9
4	5.9
5	5.9
6	5.9
7	5.9
8	5.9
9	0.9
10	5.9
11	2.9
12	2.9
13	4.9
14	4.9
15	0
16	11.7
17	4.4
18	0
19	5.7
20	6.0
21	5.8
22	5.9
23	5.9
24	5.9
25	5.9
26	5.9
27	5.9
28	5.9
29	5.9
30	5.8
IC6531	
1	6.3
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.3
8	11.7
IC6551	
1	6.3
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.3
8	11.7
IC6641	
1	5.0
2	16.3
3	6.9
4	5.0
5	0
6	1.1
7	4.3
8	0
9	5.0
10	2.4
11	2.4
12	0
13	0
14	2.4
15	2.4
16	2.3
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	6.9
25	13.9
26	13.9
27	6.9
28	6.9
29	13.9
30	13.9
31	6.9
32	0
33	13.9
34	0
35	0
36	22.2
IC6701	
1	0
2	4.9
3	4.9
4	0
5	4.9
6	5.0

MODE PIN NO.	DC (V)
7	5.0
8	0
9	5.0
10	4.9
11	5.0
12	0
13	5.0
14	0
15	0
16	5.0
Q101	
E	3.5
C	9.0
B	4.1
Q102	
E	3.7
C	9.1
B	4.3
Q106	
E	3.8
C	9.1
B	4.5
Q401	
E	5.1
C	0
B	4.4
Q402	
E	4.4
C	0
B	3.7
Q403	
E	0
C	0
B	-0.1
Q404	
E	0
C	0
B	-0.1
Q405	
E	0
C	-0.1
B	0
Q406	
E	9.0
C	-0.2
B	9.0
Q411	
E	3.8
C	9.0
B	4.4
Q412	
E	3.8
C	9.0
B	4.4
Q6401	
E	0
C	-0.1
B	0
Q6402	
E	1.8
C	0
B	0
Q6501	
E	0
C	0
B	0
Q6502	
E	0
C	0
B	0
Q6503	
E	0
C	-0.1
B	0
Q6504	
E	0
C	0
B	0.6
Q6505	
E	0
C	0
B	0.6
Q6506	
E	0.8
C	0.7
B	0.1
Q6551	
E	0
C	0
B	0.5
Q6552	
E	0
C	0
B	0.5
Q6581	
E	0
C	13.8
B	0

MODE PIN NO.	DC (V)
Q6582	
E	13.4
C	-0.1
B	13.8
Q6591	
E	0
C	0
B	1.2
Q6592	
E	0
C	0
B	1.2
Q6593	
E	1.3
C	1.2
B	0.7
Q6601	
E	0
C	0
B	0.6
Q6701	
E	0
C	5.0
B	0.2
Q6702	
E	5.0
C	5.0
B	4.4
Q6703	
E	0
C	0
B	0.6
Q6704	
E	0
C	5.0
B	0
Q6705	
E	5.0
C	0
B	5.0

<VIDEO>
[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC801	
1	2.0
2	1.6
3	0.5
4	0.2
5	2.0
6	5.1
7	2.6
8	0
9	0.3
10	0.8
11	2.1
12	5.1
13	4.8
14	4.9
15	0
16	0
17	0
18	0
19	1.3
20	2.5
21	1.6
22	1.9
23	1.9
24	0
25	2.5
26	2.6
27	2.6
28	0
29	0
30	0
31	0
32	5.1
33	2.5
34	2.5
35	2.6
36	0
37	5.1
38	4.1
39	1.8
40	3.3
41	2.0
42	4.6
43	1.8
44	2.0
45	5.0
46	2.1
47	3.8
48	1.7
IC802	
1	1.2
2	3.0
3	4.8
4	2.4
5	0
6	1.8
7	1.8
8	0
9	0
10	0
11	4.8
12	0
13	4.8
14	0
15	4.9
16	0
17	0
18	0
19	2.4
20	0
21	0
22	2.8
23	2.7
24	3.2
25	2.3
26	0
27	2.9
28	1.5
IC803	
1	8.6
2	0
3	5.1
IC1101	
1	4.4
2	4.4
3	4.4
4	4.7
5	4.7
6	4.4
7	4.4
8	4.5
9	4.7
10	4.7
11	8.6
12	4.5
13	4.5
14	4.5
15	4.7

MODE PIN NO.	DC (V)
16	4.7
17	4.5
18	4.4
19	4.5
20	4.7
21	4.7
22	0
23	4.7
24	4.7
25	4.2
26	4.2
27	4.2
28	8.6
29	4.7
30	4.7
31	4.3
32	4.4
33	4.4
34	0
35	4.8
36	4.9
IC1201	
1	0.3
2	0.2
3	0.4
4	0.3
5	0
6	0
7	6.0
8	0
9	4.7
10	0
11	8.6
12	1.2
13	0
14	0
15	0
16	0.3
17	0
18	0
19	0.3
20	0
21	4.9
22	4.9
23	0
24	2.0
25	4.9
26	2.4
27	0
28	0.2
29	0.2
30	0.1
IC1202	
1	0
2	0
3	0.2
4	0
5	0.2
6	0.3
7	0
8	0
Q801	
E	2.7
C	0
B	2.2
Q802	
E	2.0
C	0
B	1.5
Q803	
E	1.6
C	5.0
B	2.2
Q804	
E	1.7
C	5.1
B	2.2
Q805	
E	1.6
C	5.1
B	2.2
Q806	
E	1.6
C	5.1
B	2.2
Q807	
E	1.6
C	5.1
B	2.2
Q808	
E	1.6
C	5.1
B	2.2
Q853	
E	2.5
C	8.6
B	3.1
Q854	

MODE PIN NO.	DC (V)
E	1.7
C	8.6
B	2.3
Q855	
E	1.5
C	8.1
B	2.0
Q856	
E	8.6
C	2.5
B	8.0
Q858	
E	2.3
C	8.6
B	2.9
Q859	
E	1.7
C	8.0
B	2.3
Q860	
E	8.6
C	2.2
B	8.0
Q862	
E	1.0
C	3.8
B	1.5
Q863	
E	3.2
C	4.8
B	3.7
Q864	
1	0
2	0
3	0.1
4	0
5	0
6	0
Q1101	
E	3.7
C	8.6
B	4.3
Q1102	
E	3.8
C	8.6
B	4.4
Q1103	
E	3.7
C	8.7
B	4.3
Q1111	
E	3.6
C	8.6
B	4.2
Q1112	
E	3.6
C	8.6
B	4.2
Q1113	
E	3.6
C	8.6
B	4.2
Q1201	
E	3.0
C	8.6
B	3.6
Q1202	
E	3.6
C	8.6
B	4.3
Q1203	
E	3.0
C	8.7
B	3.6
CN00H	
1	3.6
2	0
3	3.6
4	0
5	3.6
6	0
7	0.2
8	0
9	0
10	3.0
11	0
12	3.7
13	0
14	3.8
15	0
16	3.7
17	0
18	0.2
19	0.2
20	0
21	0
22	0
23	0

MODE PIN NO.	DC (V)
24	0
25	0
26	0
27	0
28	0
29	0
30	0
CN0AH	
1	0
2	0
3	0
4	4.9
5	4.9
6	5.0
7	0
8	0
9	8.6
10	8.6
11	0
12	0
13	4.9
14	4.9
15	0
16	3.3
17	0.3
18	0.4
19	0
20	1.8
21	0
22	1.8
23	0
24	1.7
25	0
26	0
27	0
28	0
29	0
30	0

<POWER>
[P.2-39 - P.2-42]

MODE PIN NO.	DC (V)
IC9141	
1	5.6
2	5.0
3	0
4	5.6
IC9211	
1	2.6
2	2.1
3	2.4
4	0
5	3.8
6	0
7	3.1
8	18.8
IC9501	
1	0.8
2	0
3	389.6
4	19.1
5	3.2
IC9541	
1	15.0
2	14.2
3	0
IC9901	
1	15.7
2	3.6
3	0
4	3.3
5	2.3
Q9021	
E	0
C	0.1
B	2.9
Q9211	
S	0
D	220.7
G	2.1
Q9212	
E	0
C	9.3
B	0
Q9213	
1	0
2	0
3	18.7
4	18.6
5	9.3
6	0
Q9215	
E	0
C	0
B	0.6
Q9502	
E	0
C	9.3
B	0
Q9541	
E	0
C	0
B	2.6
Q9901	
E	0
C	0
B	0.5
Q9902	
E	0
C	2.3
B	0
Q9903	
E	0
C	0
B	2.6
Q9904	
E	0
C	0
B	0.6
Q9905	
E	0
C	6.8
B	0
Q9906	
E	0
C	0
B	5.1
CN000A	
1	8.9
2	0
3	3.4
4	3.4
5	0
6	0
7	5.0
8	0
9	5.2
10	0
11	5.0
12	0

MODE PIN NO.	DC (V)
13	3.1
CN000B	
1	3.2
2	0
3	2.9
4	2.6
5	0
6	4.9
7	0
8	4.9
9	0
10	0
11	20.6
12	0
13	13.9

<REGULATOR>
[P.2-43 - P.2-44]

MODE PIN NO.	DC (V)
IC9801	
1	20.3
2	9.1
3	0
4	8.9
5	2.1
IC9802	
1	20.4
2	5.3
3	0
4	5.0
5	2.1
IC9803	
1	15.7
2	5.3
3	0
4	5.0
5	2.1
Q9801	
E	0
C	0
B	0.6
Q9802	
E	0
C	0
B	0.1
Q9803	
E	0
C	0
B	0.6
Q9804	
E	0
C	2.1
B	0
Q9805	
S	2.6
D	0
G	0

<FRONT CONTROL>
[P.2-45 - P.2-46]

MODE PIN NO.	DC (V)
Q8701	
E	0
C	0
B	2.9
Q8702	
E	0
C	1.6
B	0

<FRONT SENSOR>
[P.2-47 - P.2-48]

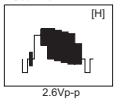
MODE PIN NO.	DC (V)
IC8752	
1	2.6
2	5.0
3	0

WAVEFORMS

-TUNER PWB-

[P.2-5 - P.2-6]

TU001-18

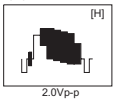


2.6Vp-p

-RECEIVER PWB-

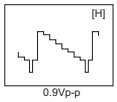
[P.2-9 - P.2-10]

IC101-1



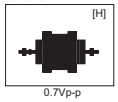
2.0Vp-p

IC101-3



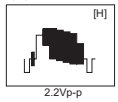
0.9Vp-p

IC101-5



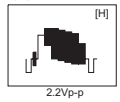
0.7Vp-p

IC101-41



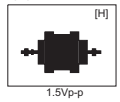
2.2Vp-p

IC101-44



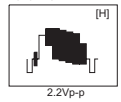
2.2Vp-p

IC101-47



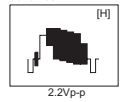
1.5Vp-p

IC101-49



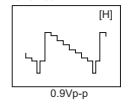
2.2Vp-p

IC101-53



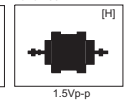
2.2Vp-p

IC101-56



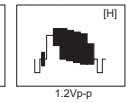
0.9Vp-p

IC101-58



1.5Vp-p

IC101-63

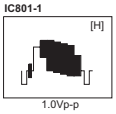


1.2Vp-p

-VIDEO PWB-

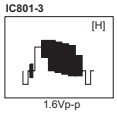
[P.2-13 - P.2-14]

IC801-1



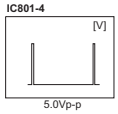
1.0Vp-p

IC801-3



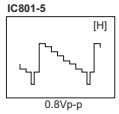
1.6Vp-p

IC801-4



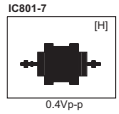
5.0Vp-p

IC801-5



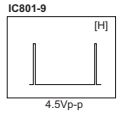
0.8Vp-p

IC801-7



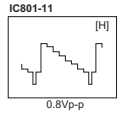
0.4Vp-p

IC801-9



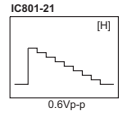
4.5Vp-p

IC801-11



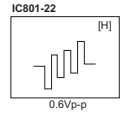
0.8Vp-p

IC801-21



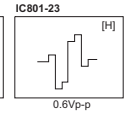
0.6Vp-p

IC801-22



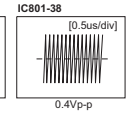
0.6Vp-p

IC801-23



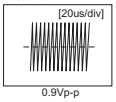
0.6Vp-p

IC801-38



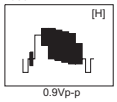
0.4Vp-p

IC801-46



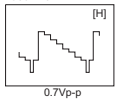
0.9Vp-p

IC802-7



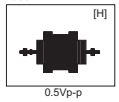
0.9Vp-p

IC802-25



0.7Vp-p

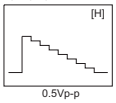
IC802-27



0.5Vp-p

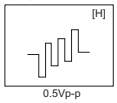
[P.2-15 - P.2-16]

IC1101-6



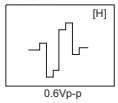
0.5Vp-p

IC1101-7



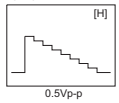
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IC1101-8



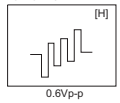
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IC1101-12



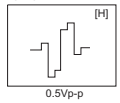
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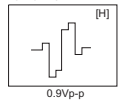
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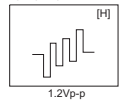
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IC1101-25



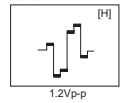
0.9Vp-p

IC1101-26



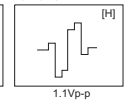
1.2Vp-p

IC1101-27



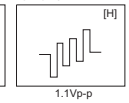
1.2Vp-p

IC1101-31



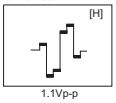
1.1Vp-p

IC1101-32



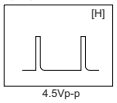
1.1Vp-p

IC1101-33



1.1Vp-p

IC1201-1



4.5Vp-p

IC1201-2

5.0Vp-p

IC1201-3

4.5Vp-p

IC1201-4

5.0Vp-p

IC1201-9

0.2Vp-p

IC1201-16

3.2Vp-p

IC1201-19

3.2Vp-p

IC1201-28

3.2Vp-p

IC1201-29

3.2Vp-p

-MI-COM & DIST PWB-

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IC001-102

3.2Vp-p

IC001-103

3.2Vp-p

IC001-108

1.5Vp-p

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IC701-1

1.1Vp-p

IC701-3

1.8Vp-p

IC701-4

5.0Vp-p

IC701-5

0.8Vp-p

IC701-7

0.4Vp-p

IC701-9

4.4Vp-p

IC701-11

0.8Vp-p

IC701-21

0.5Vp-p

IC701-22

0.5Vp-p

IC701-23

0.5Vp-p

IC701-38

0.4Vp-p

IC701-46

0.8Vp-p

IC702-7

0.9Vp-p

IC702-25

0.8Vp-p

IC702-27

0.6Vp-p

IC703-2

0.8Vp-p

IC703-4

0.4Vp-p

IC703-5

0.4Vp-p

IC703-15

0.8Vp-p

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IC302-47

1.7Vp-p

[P.2-23 - P.2-24]

IC1201-34

0.8Vp-p

IC1201-40

0.8Vp-p

IC1201-42

0.8Vp-p

IC1201-49

3.2Vp-p

IC1201-55

3.2Vp-p

IC1201-78

3.2Vp-p

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IC1201-79

3.2Vp-p

IC4001-30

3.2Vp-p

IC4001-31

3.2Vp-p

IC4001-43

0.6Vp-p

IC4001-48

0.8Vp-p

IC4001-54

0.6Vp-p

IC4001-66

3.2Vp-p

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IC401-39

3.2Vp-p

IC401-43

1.4Vp-p

IC401-103

3.2Vp-p

IC401-104

3.2Vp-p

IC401-154

3.2Vp-p

IC401-155

5.0Vp-p

IC401-201

2.0Vp-p

IC401-203

3.2Vp-p

IC401-204

3.2Vp-p

IC401-247

3.2Vp-p

IC401-248

2.4Vp-p

IC401-249

2.6Vp-p

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IC7807-11

2.5Vp-p

IC7807-37

3.2Vp-p

IC7807-53

3.2Vp-p

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IC7301-29

2.8Vp-p

IC7301-79

1.8Vp-p

IC7301-83

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IC7301-84

3.2Vp-p

IC7301-153

3.2Vp-p

IC7301-155

2.4Vp-p

IC7301-206

3.2Vp-p

IC7301-207

3.2Vp-p

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA020)

Printed in Japan
WPC

JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-Z32S2S/H

BASIC CHASSIS
MK

The following items for the LT-Z32S2S/H was changed partly from LT-Z32S2.
Therefore, this service manual describes only the items which differ from those of the LT-Z32S2 service manual.
For details other than those described in this manual, please refer to the LT-Z32S2 service manual (No.YA020, 2004/3).

OUTLINE

Since the destination and front panel colour were changed, we have issued the SERVICE MANUAL for LT-Z32S2S/H.

DIFFERENCE LIST

EXPLODED VIEW PARTS LIST-2 (Page 3-3)

⚠	Ref. No.	PARTS No.		PARTS NAME	DESCRIPTION
		LT-Z32S2	LT-Z32S2S/H		
⚠	117	QMPK300-170-JC	QMPN260-170-JC	POWER CORD	1.7m BLACK
⚠	130	LC11688-004A	LC11688-006A	FRONT PANEL ASSY	Inc.No.130A-130B, Silver

PACKING PARTS LIST (Page 3-40)

⚠	Ref. No.	PARTS No.		PARTS NAME	DESCRIPTION
		LT-Z32S2	LT-Z32S2S/H		
⚠	015	LCT1597-001A	LCT1597-001B	INST BOOK	ENGLISH
⚠	016	LCT1599-001A	LCT1599-001B	INST BOOK	RUSSIAN,CHINESE,FRENCH, ARABIC,PERSIAN
⚠	019	QAM0054-001	---	CONVERSION PLUG	Delete

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2004/4

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AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA020B)

Printed in Japan
WPC

ENGLISH

LT-Z32S2
LT-Z26S2

WIDE LCD PANEL TV

INSTRUCTIONS



D.I.S.T.
Digital Image Scaling Technology

CINEMA SURROUND

LCT1597-001A

Thank you for buying this JVC LCD flat television.
To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.
("LCD" stands for Liquid Crystal Display.)

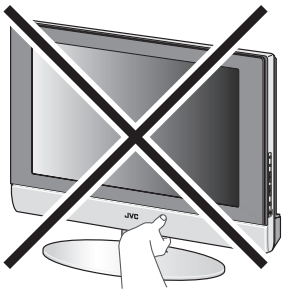
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

WARNING

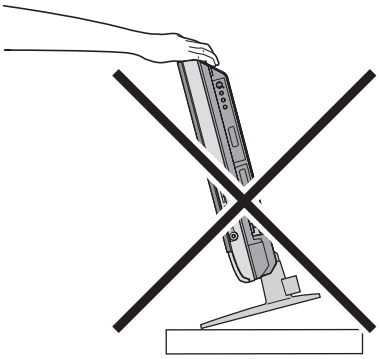
Always use the power cord which is supplied with the TV.

WARNING

- Fingers may be trapped under the TV causing injuries. Hold the TV at the bottom in the middle, and do not allow it to tilt up or down.

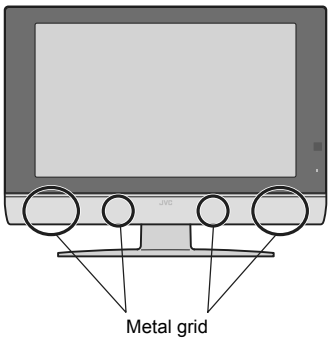


- The TV may fall causing injuries. Hold the bottom of the stand with your hand and tilt the TV up and down.
- Do not allow children to hang from the TV, place their elbows on the TV or lean against the TV. Doing so may cause the TV to fall over and lead to injuries.



CAUTION

Do not press hard on the speaker area at the bottom front panel of the TV.
Doing so can cause a dent to occur on the metal grid.

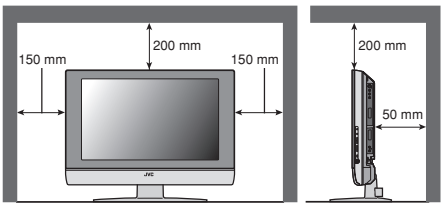


Point defects

LCDs use collections of fine pixels to display images. While there is no problem with more than 99.99% of these pixels, please understand that a very small number of pixels may not light or may light all the time.

Distance recommendations

Avoid improper installation and never position the unit where good ventilation is impossible.
When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture.
Keep to the minimum distance guidelines shown for safe operation.



Failure to take the following precautions may cause damage to the television or remote control.

DO NOT block the TV's ventilation openings or holes.
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
DO NOT place anything on top of the TV.
(such as cosmetics or medicines, flower vases, potted plants, cups, etc.)
DO NOT allow objects or liquid into the cabinet openings.
(If water or liquid is allowed to enter this equipment, fire or electric shock may be caused.)
DO NOT place any naked flame sources, such as lighted candles, on the TV.
DO NOT subject the TV to direct sunlight.

The surface of the TV screen is easily damaged. Be very careful with it when handling the TV.
Should the TV screen become soiled, wipe it with a soft dry cloth. Never rub it forcefully.
Never use any cleaner or detergent on it.

If there is a fault, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

■ Cleaning the screen

The screen is coated with a special thin film to reduce reflection. If this film is damaged, uneven colors, discoloration, scratches, and other problems that can not be repaired may occur. Pay attention to the following when handling the screen.

- Do not use glue or adhesive tape on the screen.
- Do not write on the screen.
- Do not allow the screen to come in contact with any hard objects.
- Do not allow condensation to form on the screen.
- Do not use alcohol, thinner, benzene or other solvents on the screen.
- Do not rub the screen hard.

CAUTION:

- Operate only from the power source specified (AC 110 – 240 V, 50/60 Hz) on the unit.
- Avoid damaging the AC plug and power cord.
- When you are not using this unit for a long period of time, it is recommended that you disconnect the power cord from the main outlet.

D.I.S.T. demonstration

To start the D.I.S.T. demonstration:
Press the **OK** button to display the MENU (main menu). Then press the yellow button.
A picture split in two (D.I.S.T. turned on and D.I.S.T. turned off) will appear on the screen.

To quit the D.I.S.T. demonstration:
Press the yellow button, ***TV*** button, P ∨/∧ buttons or any of the number buttons.

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Setting up your TV

- When you install the TV on the wall, only use a JVC wall mounting unit (optional) which is designed for this TV.
- Ensure that the TV is installed on the wall by a skilled installer.

Installation

Cautions for installation

- Install the TV in a corner on a wall or on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling. See “Distance recommendations” on page 2.

A protective sheet is affixed to the TV panel frame.

Using the stand

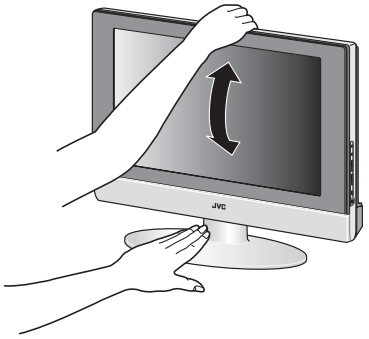
This TV comes with a Table Top Stand already attached.

This stand can be used to adjust the direction of the TV screen 5° up, 10° down, and 20° to the left or right.

■ Tilt the TV up and down:

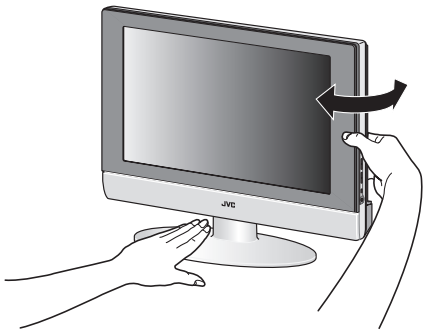
While holding the bottom of the stand with one hand, use your other hand to hold the middle of the top of the TV and slowly tilt the TV up and down.

- As a safety measure, the stand is constructed so that it requires a certain amount of force to tilt the TV.



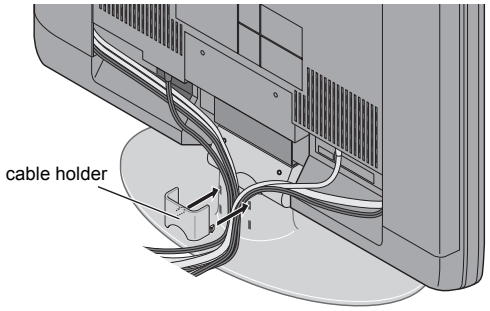
■ Rotate the TV to the left and right:

While holding the bottom of the stand with one hand, use your other hand to hold the edge of the panel and slowly adjust the direction of the TV screen.



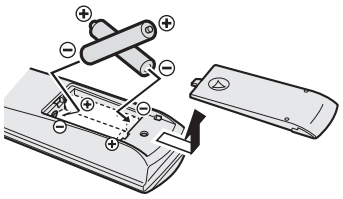
■ Cable holder

A cable holder which is used to keep the connection cables tidy is attached to the back of the stand. Gently squeeze the left and right of the cable holder and pull it to remove it from the stand. After putting the cables in the cable holder, attach it to the back of the stand again.



Putting the batteries into the Remote control

Use two AA/R6 dry cell batteries.
Insert the batteries from the ⊖ end, making sure the ⊕ and ⊖ polarities are correct.



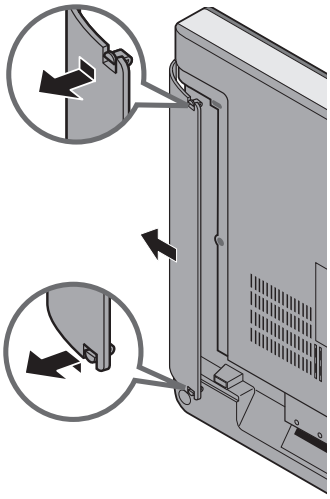
- Follow the warnings printed on the batteries.
- Battery life is about six months to one year, depending on your frequency of use.
- The batteries we supply are only for setting up and testing your TV, please replace them as soon as necessary.
- If the remote control does not work properly, replace the batteries.

Remove the terminal covers

There are connection terminals behind the covers on the left and right of the rear of the TV. Remove these two covers before connecting an antenna or VCR.

For LT-Z32S2

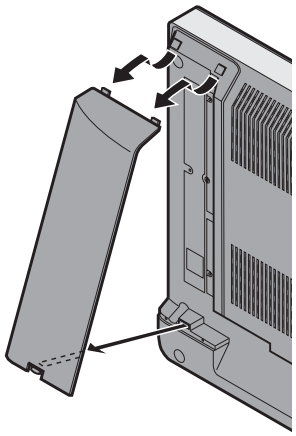
Remove the covers by removing the hooks.
When replacing the covers, place the side of the covers against the TV and insert the hooks.



For LT-Z26S2

The covers can be removed by removing the hook at the bottom and then pulling out while lifting slightly. To replace the covers, first connect the hook at the top of the cover to the TV and then insert the hook at the bottom.

- Leave these covers off when mounting the TV on a wall.



- Leave the covers off if they do not fit properly. Do not force to replace the covers. Doing so may cause damages of the connection cables and the covers.

Connecting the aerial and VCR

- Aerial cable is not supplied. Use a good quality 75-ohm coaxial cable.
- Read the manual that came with the VCR before connecting.

If not connecting a VCR (follow ①):
Connect an aerial cable to the aerial socket on this TV.

If connecting a VCR:

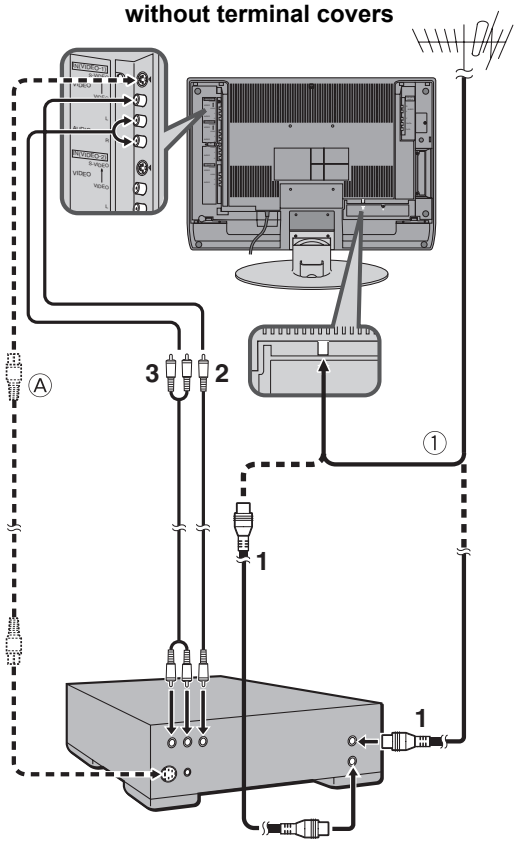
1 **Connect the aerial cable to the aerial input socket on the VCR, and connect the VCR and TV with another aerial cable**

2 **Connect the VCR's VIDEO OUT (video output) terminal and the TV's VIDEO terminal with a video cable**
To connect a VCR to the TV with an S-VIDEO cable: Connect the VCR's S-VIDEO OUT (S-VIDEO output) terminal and TV's S-VIDEO terminal with an S-VIDEO cable Ⓐ, instead of connecting with a video cable. Note that the connection with a video cable will be ignored in case you connect a VCR to the TV with both video cable and S-VIDEO cable.

3 **Connect the VCR's VIDEO OUT (audio L/R output) terminals and the TV's AUDIO terminals with an audio cable**

- To connect additional external devices, please see "Connecting the external devices" on page 29.

without terminal covers



Connecting the power cord to the AC outlet

Insert the AC plug on the power cord from the TV into AC outlet. The power lamp will light and the TV will enter standby mode.

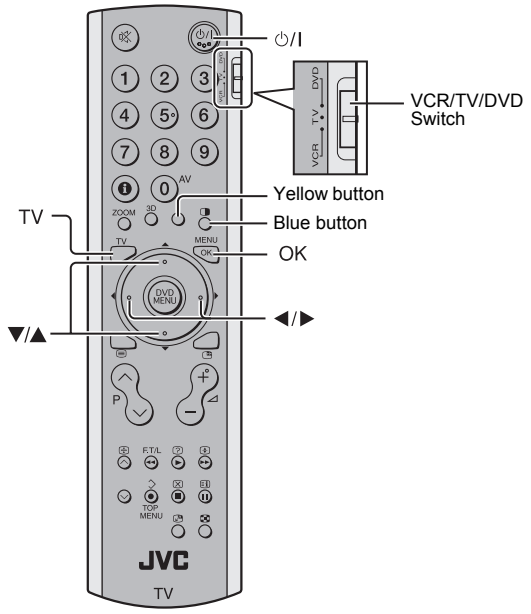
Caution

- Operate only from the power source specified (AC 110 – 240 V, 50/60 Hz) on the unit.

- Remove the AC plug from the outlet to completely disconnect the TV from the power supply.

Initial settings

When the TV is first turned on, it enters the initial setting mode, and the JVC logo is displayed. Follow the instructions on the on-screen display to make the initial settings.



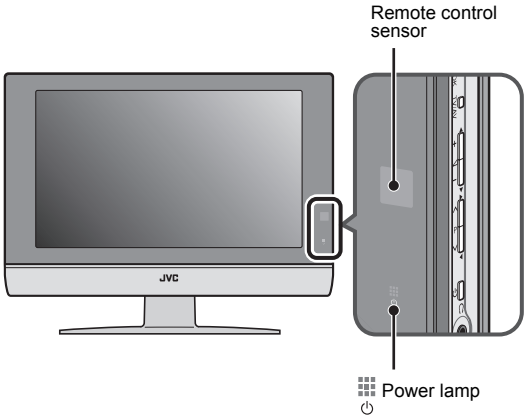
1 Make sure to set the VCR/TV/DVD switch to the TV position.

- You cannot turn the TV on when the VCR/TV/DVD switch is set to the VCR or DVD position.

2 Press the ⏻/I button on the remote control

The TV turns on from standby mode and the JVC logo is displayed.

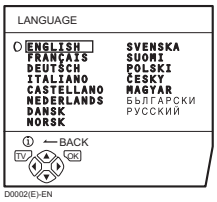
- Check that the AC plug on the power cord from the TV is connected to AC outlet.



- The JVC logo does not appear when your TV has been turned on once. In this case, use the "LANGUAGE" and "AUTO PROGRAM" functions to make the initial settings. For details, see "INSTALL" on page 25.

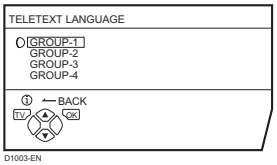
3 Press the OK button

The LANGUAGE menu appears.



4 Press the ◀/▶ and ▼/▲ buttons to choose ENGLISH. Then press the OK button

English is set for the on-screen display description. The TELETEXT LANGUAGE menu appears as a sub-menu of the AUTO PROGRAM function.



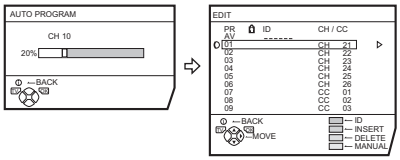
5 Press the ▼/▲ buttons to choose the teletext language group that corresponds to language of teletext programme that you want to watch

Group	Languages
GROUP-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
GROUP-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
GROUP-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
GROUP-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish

6 Press the blue button to start the AUTO PROGRAM function

The AUTO PROGRAM menu appears and received TV channels are automatically registered in the Programme numbers (PR).

- To cancel the AUTO PROGRAM function: Press the **TV** button.

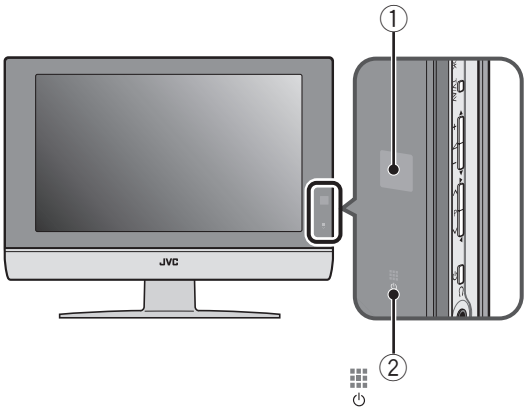


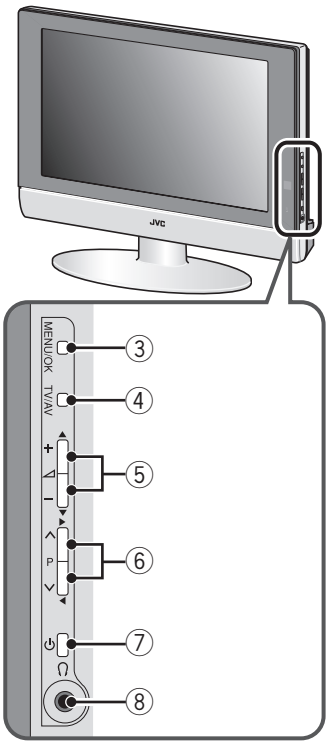
After the TV channels have been registered in the Programme numbers (PR), the EDIT menu appears

- You can proceed to edit the Programme numbers (PR) using the EDIT/MANUAL function. For details, see “EDIT/MANUAL” on page 25.
- If you do not need to use the EDIT/MANUAL function, go to the next step.

7 Press the OK button

TV buttons and functions





Refer to the pages in parentheses for details.

① Remote control sensor
② Power lamp (page 7)
③ MENU/OK button (pages 9, 17)
④ TV/AV button (page 9)
⑤ ◿ (Volume) −/+ buttons (page 9)
⑥ P ∨/∧ buttons (page 9)
⑦ ⏻ (Stand by) button (page 9)
⑧ Headphone jack (mini jack) (page 29)

Turn the TV on from standby mode

Press the ⏻ button or P ∨/∧ buttons to turn the TV on from standby mode

When the TV is turned on, the power lamp dims slightly.

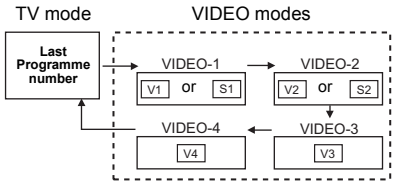
- Check that the AC plug on the power cord from the TV is connected to correctly AC outlet.

Choose a TV channel

Press the P ∨/∧ buttons to choose a programme number (PR) or an VIDEO terminal

Watch images from external devices

Press the TV/AV button to choose a VIDEO terminal



- The leading character is changed from V to S (e.g. V1 is changed to S1) when VIDEO-1 or VIDEO-2 is connected to the S terminal.

Adjust the volume

Press the −/+ buttons

The volume level indicator appears.

Using the headphone

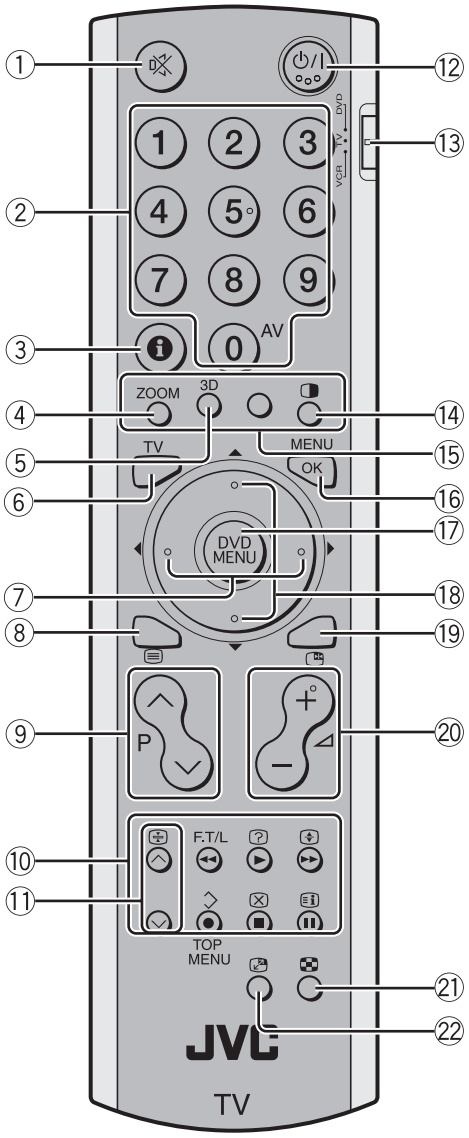
- The headphone volume is adjusted with the “HEADPHONE” menu (see page 22).

Using the Menu

Use the MENU/OK button.

Refer to“Using the TV’s menu” (see page 17) for details of using the menu.

Remote control buttons and functions



① Muting button
② Number buttons
③ Information button
④ **ZOOM** button
⑤ **3D** sound button
⑥ ***TV*** button
⑦ ◀/▶ buttons
⑧ (Text) button
⑨ **P** ∨/∧ buttons
⑩ VCR/DVD/Teletext control buttons
⑪ ∨/∧ buttons
⑫ Standby button
⑬ VCR/TV/DVD switch
⑭ button
⑮ Colour buttons
⑯ **OK** button
⑰ **DVD MENU** button
⑱ ▼/▲ buttons
⑲ button
⑳ −/+ buttons
㉑ button
㉒ button

Turn the TV on or off from standby mode

1 Make sure to set the VCR/TV/DVD switch to the TV position.
- You cannot turn the TV on or off when the VCR/TV/DVD switch is set to the VCR or DVD position.

2 Press the ⏻/I (Standby) button to turn the TV on or off.

When the TV is turned on, the power lamp dims slightly.
- The power can be turned on by pressing the ***TV*** button, **P** ∨/∧ buttons or Number buttons.
- Check that the AC plug on the power cord from the TV is connected to AC outlet.

Choose a TV channel

■ **Use the number buttons:**
Enter the programme number (PR) of the channel using the number buttons.

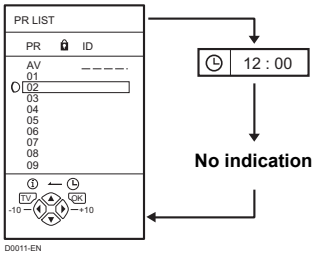
Example:
- PR 6 → press ***6***
- PR 12 → press ***1*** and ***2***

■ **Use the P ∨/∧ buttons:**
Press the P ∨/∧ buttons to choose the programme number (PR) you want.

■ **Use the PR LIST:**

1 Press the ⓘ (Information) button to display the PR LIST

Pressing the ⓘ (Information) button changes the display as follows:



2 Press the ◀/▶ and ▼/▲ buttons to choose a Programme number (PR). Then press the OK button

- For Programme numbers (PR) with the CHANNEL GUARD function set, the 🔒 (CHANNEL GUARD) mark is displayed next to the Programme number (PR) in the PR LIST.
- You cannot use the ▼/▲ buttons to choose a Programme number (PR) with the CHANNEL GUARD function set.
- Even if you try to choose a Programme number (PR) with the CHANNEL GUARD function set, the 🔒 (CHANNEL GUARD) mark will appear, and you cannot watch the TV channel. To watch the TV channel, see "CHANNEL GUARD" on page 23.

- If you do not have a clear picture or no colour appears, follow the operation procedure "COLOUR SYSTEM" (see page 20).
- The sound system is chosen automatically. However, if you cannot hear the sound normally even when the picture appears normally, choose the sound system manually. Refer to the MANUAL on the "INSTALL" menu (see page 25) for details of choosing the sound system.

Adjust the volume

Press the ◿ −/+ buttons to adjust the volume.

The Volume indicator appears and the volume changes as you press the ◿ −/+ buttons.

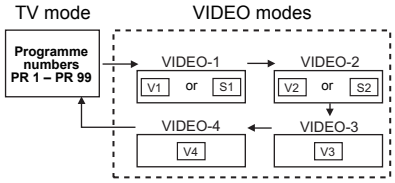
- The headphone volume is adjusted with the "HEADPHONE" menu (see page 22).

■ **Muting the sound**
Press the 🔇 (muting) button to turn off the sound.

Pressing the 🔇 (muting) button again restores the previous volume level.

Watch images from external devices

■ **Use the 0 (AV) button:**
Press the 0 (AV) button to choose a VIDEO terminal.



- The leading character is changed from V to S (eg V1 is changed to S1) when VIDEO-1 or VIDEO-2 is connected to the S terminal.

■ **Use the P ∨/∧ buttons:**
Press the P ∨/∧ buttons to choose a VIDEO terminal.

■ **Use the PR LIST:**

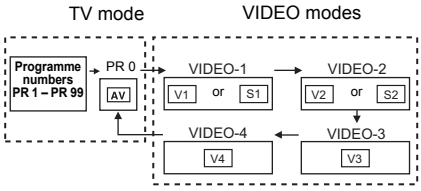
1 Press the ⓘ (Information) button to display the PR LIST

2 Press the ◀/▶ and ▼/▲ buttons to choose a VIDEO terminal. Then press the OK button

- The VIDEO terminals are registered after the Programme number PR 99.
- If you do not have a clear picture or no colour appears, change the colour system manually. See "COLOUR SYSTEM" on page 20.

To return to a TV channel:
Press the TV button or the Number buttons.

To use the Programme number PR 0 (AV):
When the TV and VCR are connected only by the Aerial cable, choosing the Programme number PR 0 (AV) allows you to view images from the VCR. Set the VCR RF channel to the Programme number PR 0 (AV) manually. For details, see "EDIT/MANUAL" on page 25.
Pressing the 0 (AV) button changes the choice as follows:



- The VCR RF channel is sent as the RF signal from the VCR.
- Also refer to your VCR instruction manual.

ZOOM function

You can change the screen size according to the picture aspect ratio. Choose the optimum one from the following ZOOM modes.

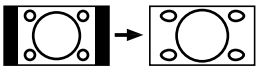
AUTO:
When a WSS (Wide Screen Signalling) signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the ZOOM mode to 16:9 ZOOM mode or FULL mode according to the WSS signal.
If a WSS signal is not included, the picture is displayed in accordance with the ZOOM mode set with the 4:3 AUTO ASPECT function.

- For details of the 4:3 AUTO ASPECT function, see "4:3 AUTO ASPECT" on page 20.
- When the AUTO (WSS) mode does not function correctly due to poor WSS signal quality or when you want to change the ZOOM mode, press the **ZOOM** button and change to another ZOOM mode.

REGULAR:
Use to view a normal picture (4:3 aspect ratio) as its original size is.

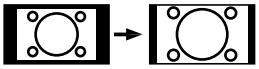


PANORAMIC:
This mode stretches the left and right sides of a normal picture (4:3 Aspect Ratio) to fill the screen, without making the picture appear unnatural.

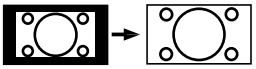


- The top and bottom of the picture are slightly cut off.

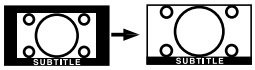
14:9 ZOOM:
This mode zooms up the Wide Picture (14:9 Aspect Ratio) to the upper and lower limits of the screen.



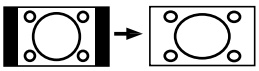
16:9 ZOOM:
This mode zooms up the Wide Picture (16:9 Aspect Ratio) to the full screen.



16:9 ZOOM SUBTITLE:
This mode zooms up the Wide Picture (16:9 Aspect Ratio) with subtitles to the full screen.



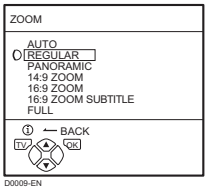
FULL:
This mode uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen.



Use for pictures with a 16:9 aspect ratio that have been squeezed into a normal picture (4:3 aspect ratio), you can restore their original dimensions.

■ Choose the ZOOM mode

1 Press the ZOOM button to display the ZOOM menu



- The **ZOOM** button does not work in the twin pictures mode.

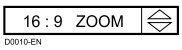
2 Press the ▼/▲ buttons to choose a ZOOM mode. Then press the OK button
The picture expands and the chosen ZOOM mode is displayed in about 5 seconds.

■ Adjusting the visible area of the picture

If subtitles or the top (or bottom) of the picture are cut off, adjust the visible area of the picture manually.

1 Press the ZOOM button
The ZOOM menu appears.

2 Press the OK button to display the ZOOM mode indication
Indicator is displayed.



3 While it is displayed, press the ▼/▲ buttons to adjust the visible area vertically

- You cannot adjust the visible area in REGULAR or FULL mode.

CINEMA SURROUND function

You can enjoy sounds with a wider ambience.

Press the 3D button to turn the CINEMA SURROUND function on or off

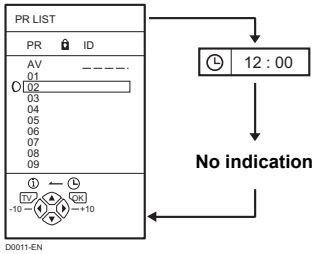
- The CINEMA SURROUND function does not work properly with mono sound.
- The CINEMA SURROUND function can be also turned on or off by using the SOUND SETTING menu. For details, see "CINEMA SURROUND" on page 21.

Displaying the current time

You can display the Current Time on the screen.

Press the ⓘ (Information) button to display the current time

Pressing the ⓘ (Information) button changes the display as follows:



- This TV uses teletext data to set the current time. If the TV has not received a TV channel that has teletext programmes since it was turned on, the time display is blank. To view the current time, choose a TV channel that has teletext programmes.
- When watching videos, an incorrect current time is sometimes displayed.

Return to TV channel instantly

You can return to a TV channel instantly.

Press the TV button

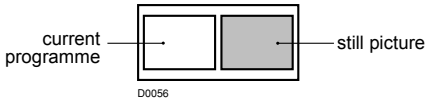
The TV returns to the TV mode and a TV channel appears.

Using the FREEZE function

You can view the current programme as a still picture.

1 Press the ⧉ button

The still picture of the current picture will appear.



To cancel the FREEZE function:

Press the ⧉ button, the **P** ∨/∧ buttons or the number buttons.

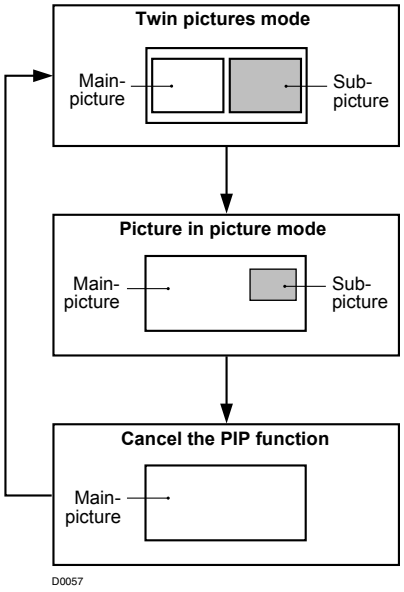
- The FREEZE function does not work while a sub-picture is displayed.
- The still picture cannot be output from the TV.
- The FREEZE function is cleared if no operation is performed for approximately one minute.

Using the PIP function

You can view two pictures (Main-picture and sub-picture). A TV programme and a video programme from an external device can be watched at the same time.

1 Press the ◑ button

Pressing the ◑ button changes the PIP mode as follows:



2 Press the ∨/∧ buttons to change the sub-picture to the picture from another TV channel or another VIDEO terminal

Listening to the sound of the sub-picture:

You can listen to the sound of the sub-picture with the headphones while listening to the sound of the main-picture from the TV speakers.

For details, see “HEADPHONE” on page 22.

- The sub-picture sound is monaural.

Changing the position of the sub-picture:

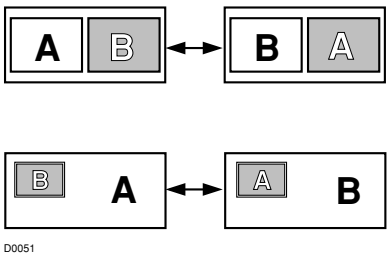
You can choose one of four positions.

For details, see “PIP” on page 20.

Swapping the main-picture and sub-picture:

Press the ⧉ button.

The main-picture and sub-picture will be swapped.



ENGLISH

Cancelling the PIP function:
Press the ◑ button or **TV** button.

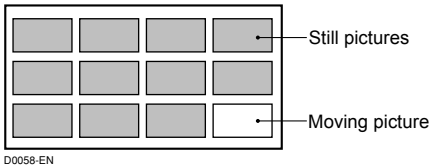
- If the main-picture signal is poor, the quality of the sub-picture may also be poor.
- If the pictures have different standards, the top and bottom of one of them may be missing.
- If an external device is operated, the sub-picture may disappear. If this happens, press the ◑ button again to redisplay the sub-picture.
- You cannot view a scrambled channel in the sub-picture. If the ⧉ button is pressed when viewing a scrambled channel in the main-picture using an external decoder, the channel you have been viewing in the sub-picture will appear in both the main-picture and sub-picture.
- The ZOOM function does not work in the twin-picture mode.
- Do not press the ⧉ button while you are recording the TV output on the VCR. If you do, the TV output signal will change.
- The BLUE BACK function does not work in the twin picture mode or the picture-in-picture mode.
- PIP function does not work for a picture of 1125i signal. See "VIDEO-4 terminal" on page 34 for more information on this type of signal.
- A picture of 625p or 525p signal cannot be displayed as the sub-picture. See "VIDEO-4 terminal" on page 34 for more information on this type of signal. Pay attention to the following.
  - When the VIDEO-4 picture is a picture of 625p or 525p signal, you cannot choose VIDEO-4 with the ∨/∧ buttons.
  - When the VIDEO-4 picture signal is changed to 625p, 525p or 1125i signal while the VIDEO-4 picture is displayed as the sub-picture, the PIP function is cancelled.
  - The pictures cannot be swapped when a picture of 625p or 525p signal from VIDEO-4 is being displayed as the main picture.
- The sub-picture cannot be output from the TV.

Using the MULTI-PICTURE function

You can display multi-pictures that enable you to easily find a program you want to view.

1 Press the ⊞ button to display multi-pictures
The channels are displayed in the channel number order. The multi-pictures will appear in multi-picture mode.

12-pictures multi:



2 Press the ∨/∧ buttons to choose the screen you want to see
The chosen picture changes to a moving picture.

3 Press the OK button
The multi-pictures disappear and the chosen picture appears.

Cancelling the multi-pictures:
Press the **TV** button, the number buttons or the **OK** button.

- Pictures from external devices cannot be displayed in the 12-pictures multi mode.

Operating a JVC brand VCR or DVD player

You can operate a JVC brand VCR or DVD player. Pressing the button having the same appearance as the original remote control button of a device makes the function work in the same way as the original remote control.

1 Set the VCR/TV/DVD Switch to the VCR or DVD position

VCR:
When you are operating the VCR, set the switch to the VCR position. You can turn the VCR on or off with the ⏻/I (Standby) button.

DVD:
When you are operating the DVD player, set the switch to the DVD position. You can turn the DVD player on or off with the ⏻/I (Standby) button.

2 Press the VCR/DVD Control Button to control your VCR or DVD player
- If your device is not made by JVC, these buttons cannot be used.
- Even if your device is made by JVC, some of these buttons or any one of the buttons may not work, depending on the device.
- You can use the ∨/∧ buttons to choose a TV channel. The VCR will receive or choose the chapter the DVD player plays back.
- Some DVD player models use the ∨/∧ buttons for both operating of Fast forward/backward functions and choosing the chapter. In this case, the ◀◀/▶▶ buttons do not work.
- Set the VCR/TV/DVD switch to the TV position when you turn the TV on or off.

■ To use DVD MENU button

Some DVDs allow you to select the disc contents using the menu. When you playback these DVDs, you can select the subtitle language and sound-track language, etc. by using the DVD menu.

1 Press DVD MENU button during play back
The DVD menu appears on the screen.
- Press **DVD MENU** button again to resume playback at the scene when you pressed the button.

2 Press ▼/▲ or ◀/▶ buttons to select the desired item

3 Press OK button
The menu continues to another screen.
Repeat steps 2 and 3 to set additional items if any.

Teletext function

Basic operation

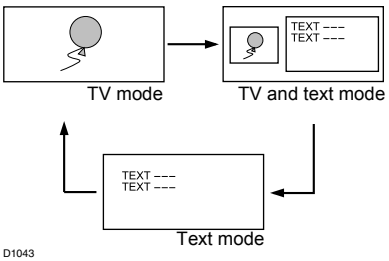
1 Choose a TV channel with a teletext broadcast

2 Make sure to set the VCR/TV/DVD switch to the TV position.



3 Press (Text) button to display the teletext

Pressing (Text) button changes the mode as follows:



4 Choose a teletext page by pressing the P ∨/∧ buttons, Number buttons or Colour buttons

To return to the TV mode:
Press the **TV** button or (Text) button.

- If you have trouble receiving teletext broadcasts, consult your local dealer or the teletext station.
- The ZOOM function will not operate in the TV and text mode or Text mode.
- No menu operations are possible when viewing a teletext programme.
- Language display depends on the country which was set on the TELETEXT LANGUAGE menu. If characters on a Teletext programme do not appear properly, change the TELETEXT LANGUAGE Setting to other country's. For detail, "Changing the TELETEXT LANGUAGE setting" on page 28.

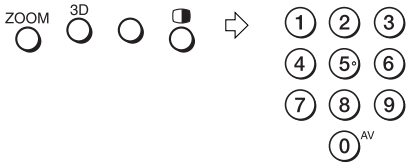
Using the List Mode

You can store the numbers of your favourite teletext pages in memory and call them up quickly using the colour buttons.

■ To store the page numbers:

1 Press *F.T/L* button to engage the List mode
The stored page numbers are displayed at the bottom of the screen.

2 Press a Colour button to choose a position. Then press the Number buttons to enter the page number



3 Press and hold down (Store) button
The four page numbers blink white to indicate that they are stored in memory.

■ To call up a stored page:

1 Press the *F.T/L* button to engage the List mode

2 Press a colour button to which a page has been assigned

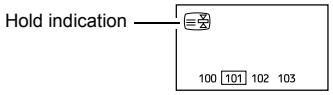


To exit the List mode:
Press the ***F.T/L*** button again.

Hold

You can hold a teletext page on the screen for as long as you want, even while several other teletext pages are being received.

Press the (Hold) button



To cancel the Hold function:
Press (Hold) button again.

ENGLISH

Sub-page

Some teletext pages include sub-pages that are automatically displayed.

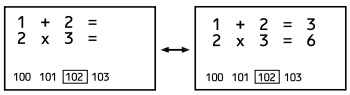
1 Choose a teletext page that includes sub-pages
Sub-page numbers that can be viewed are automatically displayed at the top of the screen.

2 Press the ◀/▶ buttons to choose a sub-page number

Reveal

Some teletext pages include hidden text (such as answers to a quiz).
You can display the hidden text.

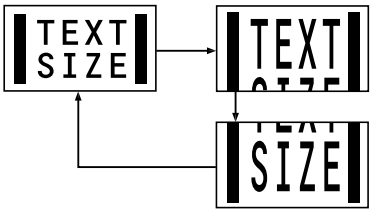
Each time you press the ? (Reveal) button, text is hidden or revealed



Size

You can double the height of the teletext display.

Press the ⇕ (Size) button.



Index

You can return to the index page instantly.

Press ☰ (Index) button
Returns to page 100 or a previously specified page.

Cancel

You can search for a teletext page while watching TV.

1 Press the Number button to enter a page number, or press a Colour button
The TV searches for a teletext page.

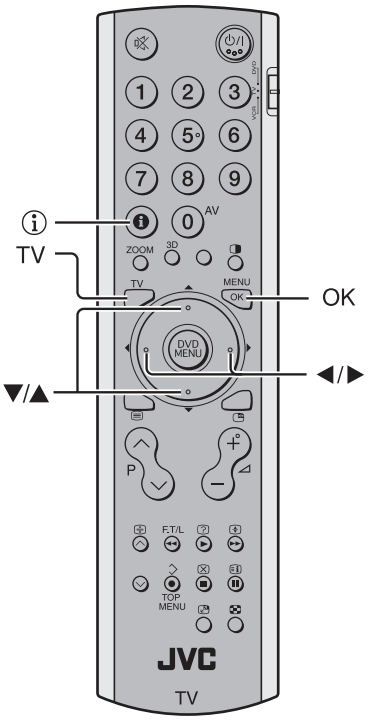
2 Press ⊠ (Cancel) button
The TV programme appears. When the TV finds the teletext page, its page number appears in the upper left of the screen.

3 Press ⊠ (Cancel) button to return to a teletext page when the page number is on the screen

- The TV mode cannot be resumed even by pressing the ⊠ (Cancel) button. A TV programme is temporarily displayed instead of the teletext programme.

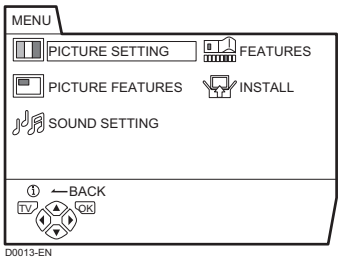
Using the TV's menu

This TV has a number of functions you can operate using menus. To fully utilize all your TV's functions, you need to understand the basic menu operating techniques fully.



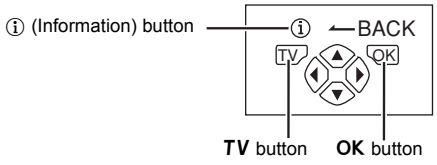
Basic operation

1 Press the OK button to display the MENU (main menu)



D0013-EN

- Press the **OK** button twice while watching the MULTI-PICTURE mode.
- The display appearing at the bottom of a menu indicates buttons on the remote control you can use when you operate a chosen function.



2 Press the ◀/▶ and ▼/▲ buttons to choose a menu title, and press the OK button

The menu appears.

To return to the previous menu:
Press the ⓘ (information) button.

To exit a menu instantly:
Press the ***TV*** button.

3 Press the ▼/▲ buttons to choose a function

- For details of the functions in the menus, see the following pages.

4 Press the ◀/▶ buttons to choose the setting of that function

- If you want to operate a function which appears only with its name, follow the descriptions of that function on the following pages.
- The display appearing at the bottom of a menu shows you a button on the remote control that you can use when you operate a chosen function.

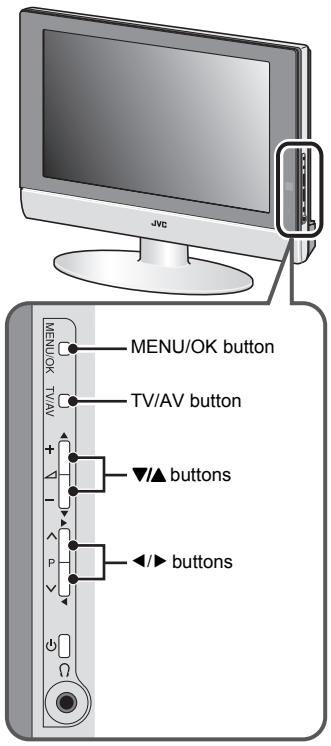
5 Press the OK button to complete the setting

The menu disappears.

- When watching the television with the NTSC system, the menus are displayed at about half of their normal vertical size.
- The menu will be disappear if you press the **P** ∨/∧ buttons while the menu is displayed.

Operation with the buttons on the TV

You can also operate the menus using the buttons on the front panel of the TV.

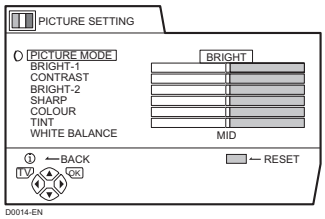


The menu will disappear if no operation is performed for approximately one minute.

ENGLISH

PICTURE SETTING

Refer to “Using the TV’s menu” (see page 17) for details of displaying the menu.



PICTURE MODE

You can choose one of three PICTURE MODEs to adjust the picture settings automatically.

BRIGHT:
Heightens contrast and sharpness.

STANDARD:
Standardizes picture adjustment.

SOFT:
Softens contrast and sharpness.

Picture Adjustment

You can change the picture settings of each PICTURE MODE mode as you like.

BRIGHT-1:
You can adjust the back light.
◀ : darker
▶ : brighter

CONTRAST:
You can adjust the picture contrast.
◀ : lower
▶ : higher

BRIGHT-2:
You can adjust the picture brightness.
◀ : darker
▶ : brighter

SHARP:
You can adjust the picture sharpness.
◀ : softer
▶ : sharper

COLOUR:
You can adjust the picture colour.
◀ : lighter
▶ : deeper

TINT:
You can adjust the picture tint.
◀ : reddish
▶ : greenish

- You can change the TINT setting (picture hue) when the colour system is NTSC 3.58, NTSC 4.43 or a signal from the VIDEO-4 terminal.
  However, operation is not possible when the PIP function main picture is set to VIDEO-4.

To return to the default settings in each PICTURE MODE:
Press the blue button.

- This returns the picture settings in the PICTURE MODE mode you have chosen to the default settings, and stores them in the PICTURE MODE mode.

WHITE BALANCE

You can select one of three WHITE BALANCE modes (three tones of white) to adjust the white balance of the picture. Since white is the colour which is used as a reference for all the other colours, changing the WHITE BALANCE mode affects the appearance of all the other colours on the screen.

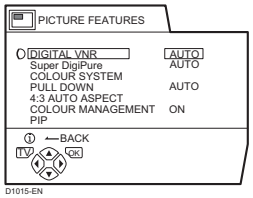
COOL:
A bluish white. Using this mode when watching bright pictures allows you to enjoy a more vivid and bright picture.

MID:
The normal white colour.

WARM:
A reddish white. Using this mode when watching films allows you to enjoy colours that are characteristic of films.

PICTURE FEATURES

Refer to “Using the TV’s menu” (see page 17) for details of displaying the menu.



DIGITAL VNR

The DIGITAL VNR function cuts down the amount of noise in the original picture.
You can choose from the three DIGITAL VNR function settings of AUTO, MIN and MAX.

AUTO:
The TV will automatically adjust the level of the DIGITAL VNR effect to match the amount of noise in the picture, giving you the best possible picture.

- If you set the DIGITAL VNR effect too high it can make the picture less sharp. It is recommended to use the AUTO setting if you can.
- AUTO cannot be chosen when you are watching the VIDEO-4 picture.

MIN:
The level of the DIGITAL VNR effect is set to the minimum. If you set the DIGITAL VNR function to AUTO but feel that the sharpness of the original picture has not been reproduced fully, change the setting from AUTO to MIN.

- The MIN setting is not suitable for low-quality pictures which contain a lot of noise.

MAX:
The level of the DIGITAL VNR effect is set to the maximum. If you set the DIGITAL VNR function to AUTO but still notice some noise, change the setting from AUTO to MAX.

- The MAX setting is not suitable for high-quality pictures which contain very little noise.

- When a picture of 625p, 525p, or 1125i signal is being displayed, the AUTO setting cannot be chosen with the DIGITAL VNR function.
- See “VIDEO-4 terminal” on page 34 for more information on this type of signal.

Super DigiPure

The Super DigiPure function uses the latest in digital technology to give you a natural-looking picture. The Super DigiPure function includes the following two functions.

DigiPure function:
This function helps to create a natural-looking picture by eliminating unnecessary edges from high-contrast and crisp images. For images with low-contrast, edges are added to produce a sharper, more detailed picture.
You can choose from the three DigiPure function settings of AUTO, MIN and MAX.

- If you set the DigiPure effect too high on a low-quality picture that contains a lot of noise, this may actually make the noise worse. We recommend you use the AUTO setting if you can.

Picture motion compensation function:
This function displays fast-moving pictures (for example, the players or ball in a football game) more smoothly and naturally on the screen.

- The effect level of the picture motion compensation function cannot be changed. The effect level is the same no matter which of the AUTO, MIN or MAX settings is used.

1 Choose Super DigiPure

2 Press the ◀/▶ buttons to choose a setting. Then press the OK button

AUTO:
The TV will automatically adjust the level of the DigiPure effect to match the amount of noise in the picture, giving the best possible picture.

- AUTO cannot be chosen when you are watching the VIDEO-4 picture.

MIN:
The level of DigiPure effect is set to the minimum. When you set the Super DigiPure function to AUTO and notice some noise, change the setting from AUTO to MIN.

- The MIN setting is not suitable for high-quality pictures which contain very little noise.

MAX:
The level of DigiPure effect is set to the maximum. If you set the Super DigiPure function to AUTO but feel that the original picture quality has not been reproduced fully, change the setting from AUTO to MAX.

- The MAX setting is not suitable for low-quality pictures which contain a lot of noise.

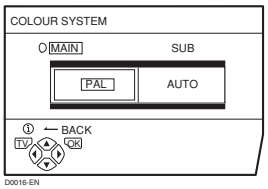
OFF:
The Super DigiPure function is turned off.

COLOUR SYSTEM

The colour system is chosen automatically. However, if the picture is not clear or no colour appears, choose the colour system manually.

1 Choose COLOUR SYSTEM. Then press the OK button

The sub-menu of the COLOUR SYSTEM function appears.



2 Press the ◄/► buttons to choose MAIN or SUB

MAIN:
You can change the colour system of the main-picture.

SUB:
You can change the colour system of the sub-picture.

- Choose MAIN when a sub-picture is not displayed.

3 Press the ▼/▲ buttons to choose the appropriate colour system. Then press the OK button

AUTO:
This function detects a colour system from the input signal. You can only use this when you are viewing a picture from programme number PR 0 (AV), or a VIDEO terminal.
Refer to the following table for the various international colour systems.

Colour system

Area	Country or region	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc.	PAL
	China, Vietnam, etc	PAL
	Hong Kong, etc	PAL
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM
	Philippines, Taiwan, Myanmar, etc	NTSC
Europe	Russia, etc	SECAM
	Czech Republic, Poland, etc	PAL
	Germany, Holland, Belgium, etc	PAL
	UK, etc	PAL
Oceania	Australia, New Zealand, etc	PAL
Africa	Republic of South Africa, etc	PAL
	Nigeria, etc	PAL
	Egypt, Morocco, etc	SECAM

- The AUTO function may not function properly if you have poor signal quality. If the picture is abnormal in the AUTO function, choose another colour system manually.
- When in the Programme numbers PR 0 (AV) to PR 99, you cannot choose NTSC 3.58 or NTSC 4.43.

PULL DOWN

The PULL DOWN function displays a cinema film picture more smoothly and naturally on the screen.

AUTO:
The television automatically recognizes the type of signal and turns the function on and off.

ON:
This function is turned on.

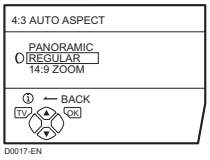
OFF:
This function is turned off.

- The motion may appear unnatural when viewing images with the NTSC colour system. When the PULL DOWN function is set to AUTO or ON, the motion may appear unnatural when viewing images with the NTSC colour system.
- You cannot select this function in the twin pictures mode or the picture in picture mode.

4:3 AUTO ASPECT

You can choose one of three ZOOM modes, REGULAR, PANORAMIC or 14:9 ZOOM, as the ZOOM mode for the normal picture (4:3 aspect ratio).

1 Choose 4:3 AUTO ASPECT then press the OK button



2 Press the ▼/▲ buttons to choose a ZOOM mode. Then press the OK button

COLOUR MANAGEMENT

This TV supports the COLOUR MANAGEMENT function to ensure dull colours are compensated to produce natural hues.
The COLOUR MANAGEMENT function is on by default.

ON:
COLOUR MANAGEMENT function is turned on.

OFF:
COLOUR MANAGEMENT function is turned off.

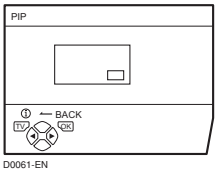
- Set this function to ON under normal conditions.

PIP

You can choose one of four positions for the sub-picture.

1 Press the ▼/▲ buttons to choose PIP. Then press the OK button

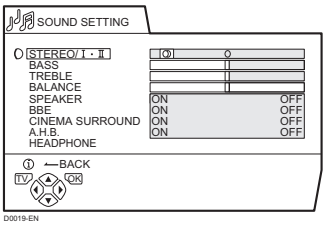
The PIP menu appears.



2 Press the ◄/► buttons to choose the position. Then press the OK button

SOUND SETTING

Refer to “Using the TV’s menu” (see page 17) for details of displaying the menu.



STEREO / I • II

When you are viewing a bilingual broadcast programme, you can choose the sound from Bilingual I (Sub I) or Bilingual II (Sub II). When the stereo broadcasting is received poorly, you can change from stereo to mono sound so that you can hear the broadcast more clearly and easily.

: Stereo sound

: mono sound

Ⅰ : Bilingual I (sub I)

Ⅱ : Bilingual II (sub II)

- The sound mode you can choose differs depending on the TV programme.
- This function does not work in the VIDEO modes. And this function does not appear in the SOUND SETTING menu.

Sound Adjustment

You can adjust the sound to your liking.

BASS:
You can adjust the low tone of the sound.
◀ : weaker
▶ : strong

TREBLE:
You can adjust the high tone of the sound.
◀ : weaker
▶ : strong

BALANCE:
You can adjust the volume balance between the left and right speaker.
◀ : turn the left speaker’s volume level up.
▶ : turn the right speaker’s volume level up.

SPEAKER

You can turn off the sound from the TV speakers; but you should only do this if an audio system is connected to the TV as a substitute for the TV speakers.

ON:
The TV speakers issue sound.

OFF:
The TV speakers does not issue sound.

BBE

You can use the BBE function to enjoy easy-to-listen sound that is faithful to the original sound recorded.

ON:
This function is turned on.

OFF:
This function is turned off.

- Licensed by BBE Sound, Inc. BBE is a registered trademark of BBE Sound, Inc.

CINEMA SURROUND

You can enjoy Surround sound with a “live” effect by using the CINEMA SURROUND function.

ON:
CINEMA SURROUND function is turned on.

OFF:
CINEMA SURROUND function is turned off.

A.H.B. (Active Hyper Bass)

Used when you want to emphasize the bass sound.

ON:
This function is turned on.

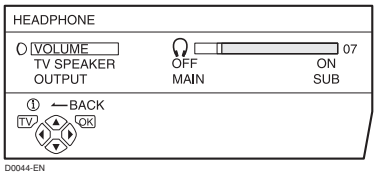
OFF:
This function is turned off.

HEADPHONE

You need to use the HEADPHONE menu to adjust the volume of the headphones.
The HEADPHONE menu can also be used to set whether or not sound comes from the TV speakers when the headphones are being used and to perform the settings for the sound coming from the headphones.

1 Press the ▼/▲ buttons to choose HEADPHONE. Then press the OK button

The sub-menu of the HEADPHONE function appears.



2 Press the ▼/▲ buttons to choose a function. Then press the ◀/▶ buttons to change the setting

VOLUME:
You can change the volume of the headphones.

TV SPEAKER:
You can turn the TV's speakers on or off.

ON:
The sound comes from the TV's speakers when using the headphones.

OFF:
The sound does not come from the TV's speakers when using the headphones.

OUTPUT:
You can choose the sound output to the headphones.

MAIN:
You can listen to the sound of the main-picture with your headphones.

SUB:
You can listen to the sound of the sub-picture with your headphones.
- When the sub-picture is a television programme, the sound becomes monaural.

3 Press the OK button

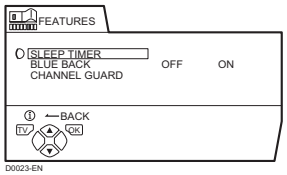
Hint:
When a sub-picture is displayed, the sound of the sub-picture can be listened to with the headphones while listening to the sound of the main-picture with the TV speakers. To do this, set TV SPEAKER to ON and OUTPUT to SUB.

- Headphones do not work with sound adjusted for BASS and TREBLE, BBE effect sound, A.H.B. effect sound, and CINEMA SURROUND effect sound.

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FEATURES

Refer to “Using the TV’s menu” (see page 17) for details of displaying the menu.

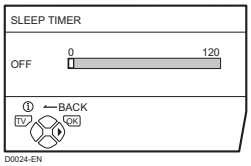


SLEEP TIMER

You can set the TV to automatically turn off after a specified period of time.

1 Choose SLEEP TIMER, then press the OK button

A Sub-menu of the SLEEP TIMER function appears.



2 Press the ◀/▶ buttons to set the period of time. Then press the OK button

You can set the period of time a maximum of 120 minutes (2 hours) in 10 minute increments.

- One minute before the SLEEP TIMER function turns off the TV, “GOOD NIGHT!” appears.
- The SLEEP TIMER function cannot be used to turn off the TV’s main power.
- When the SLEEP TIMER function is on, you can display the Sub-menu of the SLEEP TIMER function again to confirm and/or change the remaining period of time of the SLEEP TIMER function. Press the **OK** button to exit the menu after confirming and / or changing the remaining time.

To cancel the SLEEP TIMER function:
Press the ◀ button to set a period of time to “OFF”.

BLUE BACK

You can set the TV to automatically change to a blue screen and mute the sound if the signal is weak or absent, or when there is no input from an external device.

ON:
This function is turned on.

OFF:
This function is turned off.

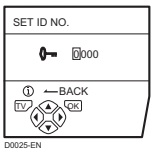
CHANNEL GUARD

When there is a TV channel you wish your children not to watch, you can use the CHANNEL GUARD function to lock out the TV channel. Even when a child chooses a Programme number (PR) in which a locked TV channel has been registered, the screen will change to blue and displays 🔒 (CHANNEL GUARD) so the TV channel cannot be viewed. Unless you enter a pre-set ID number by a special operation, the lock cannot be released and the child cannot view the TV channel programmes.

■ To set the CHANNEL GUARD function

1 Choose CHANNEL GUARD, then press the 0 (AV) button

“SET ID NO.” (ID number setting screen) appears.



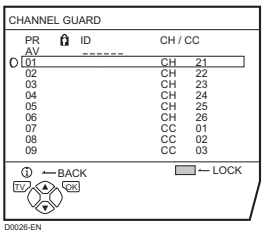
2 Set the ID number to your liking

1 Press the ▼/▲ buttons to choose a number.

2 Press the ◀/▶ buttons to move the cursor.

3 Press the OK button

The Sub-menu of CHANNEL GUARD appears.



4 Press the ▼/▲ buttons to choose a TV channel

Every time you press the ▼/▲ buttons, the Programme number (PR) changes, and the picture of the TV channel registered in the Programme number (PR) is displayed on the screen.

5 Press the blue button and set the CHANNEL GUARD function. Then press the OK button

🔒 (CHANNEL GUARD) appears and the TV channel is locked.

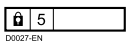
To reset the CHANNEL GUARD function:
Press the blue button again.
🔓 (CHANNEL GUARD) disappears.

To disable easy resetting of the CHANNEL GUARD function, the menu disappears by choosing the CHANNEL GUARD function and pressing the **OK** button as in the ordinary menu operation.

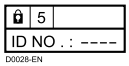
■ To view a locked TV channel

1 Choose a Programme number (PR) in which a TV channel locked with the Number buttons or PR LIST

The screen changes to blue and the 🔒 (CHANNEL GUARD) appears. You cannot view the TV channel.



2 Press the ⓘ (Information) button to display “ID NO.” (ID NO. input screen)



3 Press the Number buttons to enter the ID number

The lock is temporarily released so you can view the TV channel.

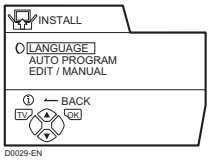
If you have forgotten the ID number:

Perform step 1 of "To set the CHANNEL GUARD function". After confirming the ID number, press the ***TV*** button to exit the menu.

- Even if you reset the lock temporarily, it does not mean that the CHANNEL GUARD function set for the TV channel is cancelled. The next time anyone attempts to view the TV channel, it will be locked again.
- When you would like to cancel the CHANNEL GUARD function, you must perform the operation "To set the CHANNEL GUARD function" again.
- To disable easy choosing of a Programme number (PR) in which a locked TV channel has been registered, the Programme number (PR) has been set that it cannot be chosen by the ▼/▲ buttons or the operation buttons at the TV.
- To disable easy resetting of the lock, "ID NO." (ID NO. input screen) is set so that it cannot appear unless you press the ⓘ (Information) button.

INSTALL

Refer to “Using the TV’s menu” (see page 17) for details of displaying the menu.

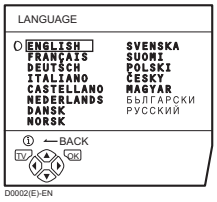


LANGUAGE

You can choose the language you want to use for the on-screen display from the language list in a menu.

1 Choose LANGUAGE, then press the OK button

A sub-menu of the LANGUAGE function appears.



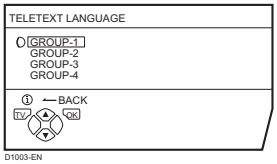
2 Press the ◀/▶ and ▼/▲ buttons to choose a language. Then press the OK button

AUTO PROGRAM

You can automatically register the TV channels which can be received well at your residence in the TV’s Programme numbers (PR) by performing the following.

1 Choose AUTO PROGRAM. Then press the OK button

The TELETEXT LANGUAGE menu appears as a sub-menu of the AUTO PROGRAM function.



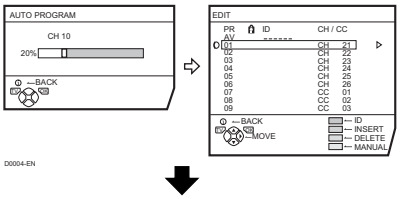
2 Press the ▼/▲ buttons to choose the teletext language group that corresponds to the language of teletext programme that you want to watch

Group	Languages
GROUP-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
GROUP-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
GROUP-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
GROUP-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish

3 Press the OK button to start the AUTO PROGRAM function

The AUTO PROGRAM menu appears and received TV channels are automatically registered in the Programme numbers (PR).

- To cancel the AUTO PROGRAM function, press the ***TV*** button.



After the TV channels have been registered in the Programme numbers (PR), the EDIT menu appears.

- You can proceed to edit the Programme numbers (PR) using the EDIT/MANUAL function. For details, see “EDIT/MANUAL” on page 25.
- If you do not need to use the EDIT/MANUAL function, go to the next step.

4 Press the OK button

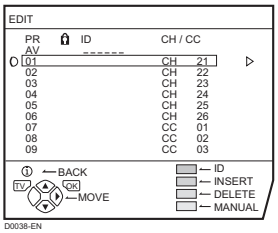
EDIT/MANUAL

The EDIT/MANUAL functions are divided into two types: editing of the current Programme numbers (PR) (EDIT functions) and manual registration of a TV channel you want to view to the Programme number (PR) (MANUAL function). The details about these functions are as follows:

Caution

- Using the MOVE, DELETE or INSERT function rewrites the current Programme numbers (PR) list. Resultingly, the Programme number (PR) of some of the TV channels will change.
- Using the MANUAL function for a TV channel for which the CHANNEL GUARD function has been set cancels the CHANNEL GUARD function for the TV channel.
- When a TV channel has already been registered in PR 99, using the INSERT function deletes the TV channel.

1 Choose EDIT/MANUAL, then press the OK button



- For Programme number PR 0, “AV” appears in the Programme numbers (PR) list.
- A VIDEO terminal number does not appear in the Programme numbers (PR) list.
- The CH/CC number is a number unique to the TV and corresponding to the Channel number of a TV channel. For the relationship of a Channel number and a CH/CC number, see “CH/CC numbers” on page 31.

2 Follow the operation description of a function you want to use and operate the function

MOVE:
This function changes a Programme number (PR) of a TV channel.

ID:
This function registers a Channel name (ID) to a TV channel.

INSERT:
This function adds a new TV channel in the current Programme numbers (PR) list by using the CH/CC number.

- You cannot use the INSERT function if you do not know a Channel number of a TV channel. Use the MANUAL function to register a TV channel in the Programme number (PR).

DELETE:
This function deletes an unnecessary TV channel.

MANUAL:
This function manually registers a new TV channel in a Programme number (PR).

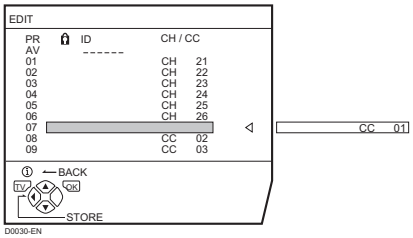
3 Press the OK button

■ MOVE

1 Press the ▼/▲ buttons to choose a TV channel

Every time you press the ▼/▲ buttons, the Programme number (PR) is changed over, and the picture of the TV channel registered in the Programme number (PR) appears on the screen.

2 Press the ▶ button to start the MOVE function



3 Press the ▼/▲ buttons to choose a new Programme number (PR)

To cancel the MOVE function:
Press the ⓘ (Information) button.

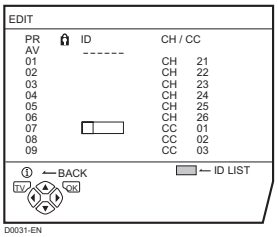
4 Press the ◀ button to change the Programme number (PR) of a TV channel to a new Programme number (PR)

■ ID

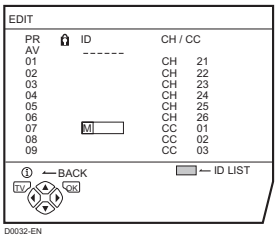
1 Press the ▼/▲ buttons to choose a TV channel

Every time you press the ▼/▲ buttons, the Programme number (PR) is changed over, and the picture of the TV channel registered in the Programme number (PR) appears on the screen.

2 Press the red button to start the ID function



3 Enter a channel name (ID).
Press the ▼/▲ buttons to choose a character.
Press the ◀/▶ buttons to move the cursor.



To cancel the ID function:
Press the ⓘ (Information) button.

4 Press the OK button to register a Channel name (ID) to a TV channel

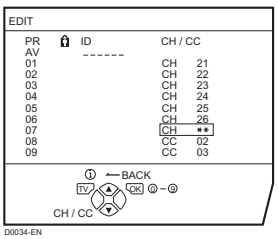
■ INSERT

Preparation:

- A CH/CC number unique to this TV and corresponding to the Channel number of a TV channel is required. Find the corresponding CH/CC number from a table “CH/CC numbers” on page 31 based on the Channel number of the TV channel.

1 Press the ▼/▲ buttons to choose a Programme number (PR) for which you will register a new TV channel

2 Press the green button and start the INSERT function



3 Press the ▼/▲ buttons to choose “CC” or “CH” according to the CH/CC number of the TV channel

To cancel the INSERT function:
Press the ⓘ (Information) button.

4 Press the Number buttons to enter the remaining CH/CC number

The TV shifts to registration mode.
When the registration is completed, the picture of the TV channel appears on the screen.

- The CH/CC number is a number indicating the broadcast frequency to the TV. If the TV cannot detect the TV channel corresponding to the broadcast frequency indicated by the CH/CC number, a picture in the no-signal state appears.

■ DELETE

1 Press the ▼/▲ buttons to choose a TV channel

Every time you press the ▼/▲ buttons, the Programme number (PR) is changed over, and the picture of the TV channel registered in the Programme number (PR) appears on the screen.

2 Press the yellow button to delete the TV channel

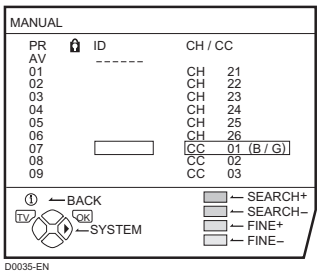
The TV channel is deleted from the Programme numbers (PR) list.

■ MANUAL

1 Press the ▼/▲ buttons to choose a Programme number (PR) to which you want to register a new TV channel

2 Press the blue button to activate the MANUAL function

At the right side following the CH/CC number, the SYSTEM (broadcasting system) of the TV channel appears.



D0035-EN

To cancel the MANUAL function:
Press the ⓘ (Information) button.

3 Press the ▶ button to choose the SYSTEM (sound system) for a TV channel you want to register

Refer to the following table for the various international sound systems.

Sound system

Area	Country or region	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc.	B/G
	China, Vietnam, etc.	D/K
	Hong Kong, etc.	I
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	B/G
	Philippines, Taiwan, Myanmar, etc	M
Europe	Russia, etc.	D/K
	Czech Republic, Poland, etc.	D/K
	Germany, Holland, Belgium, etc.	B/G
	UK, etc.	I
Oceania	Australia, New Zealand, etc.	B/G
Africa	Republic of South Africa, etc.	I
	Nigeria, etc.	B/G
	Egypt, Morocco, etc.	B/G

4 Press the green or red button to search for a TV channel

Scanning stops when the TV finds a TV channel. Then the TV channel is displayed.

5 Press the green or red button repeatedly until the TV channel you want appears

If the TV channel reception is poor:
Press the blue or yellow button to fine-tune the TV channel.

If you cannot hear the normal sound even when the picture of the TV channel appears normally:
The SYSTEM setting is wrong. Press the ▶ button and choose a SYSTEM that has normal sound.

6 Press the OK button and register the TV channel to a Programme number (PR)

The normal EDIT menu is resumed.

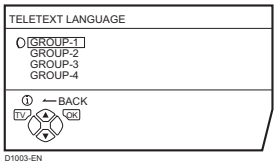
Changing the TELETEXT LANGUAGE setting

After the AUTO PROGRAM function is completed, you can change the country you have already set by using the AUTO PROGRAM function.

1 Display the INSTALL menu

When the EDIT menu is currently being displayed:
Press the ⓘ (Information) to return to the INSTALL menu.

2 Press the ▼/▲ buttons to choose AUTO PROGRAM. Then press the OK button
A TELETEXT LANGUAGE menu appears as a sub-menu of the AUTO PROGRAM function.



Group	Languages
GROUP-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
GROUP-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
GROUP-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
GROUP-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish

3 Press the ▼/▲ buttons to choose a group

4 Press the TV button to complete the setting
The menu disappears.

Additional preparation

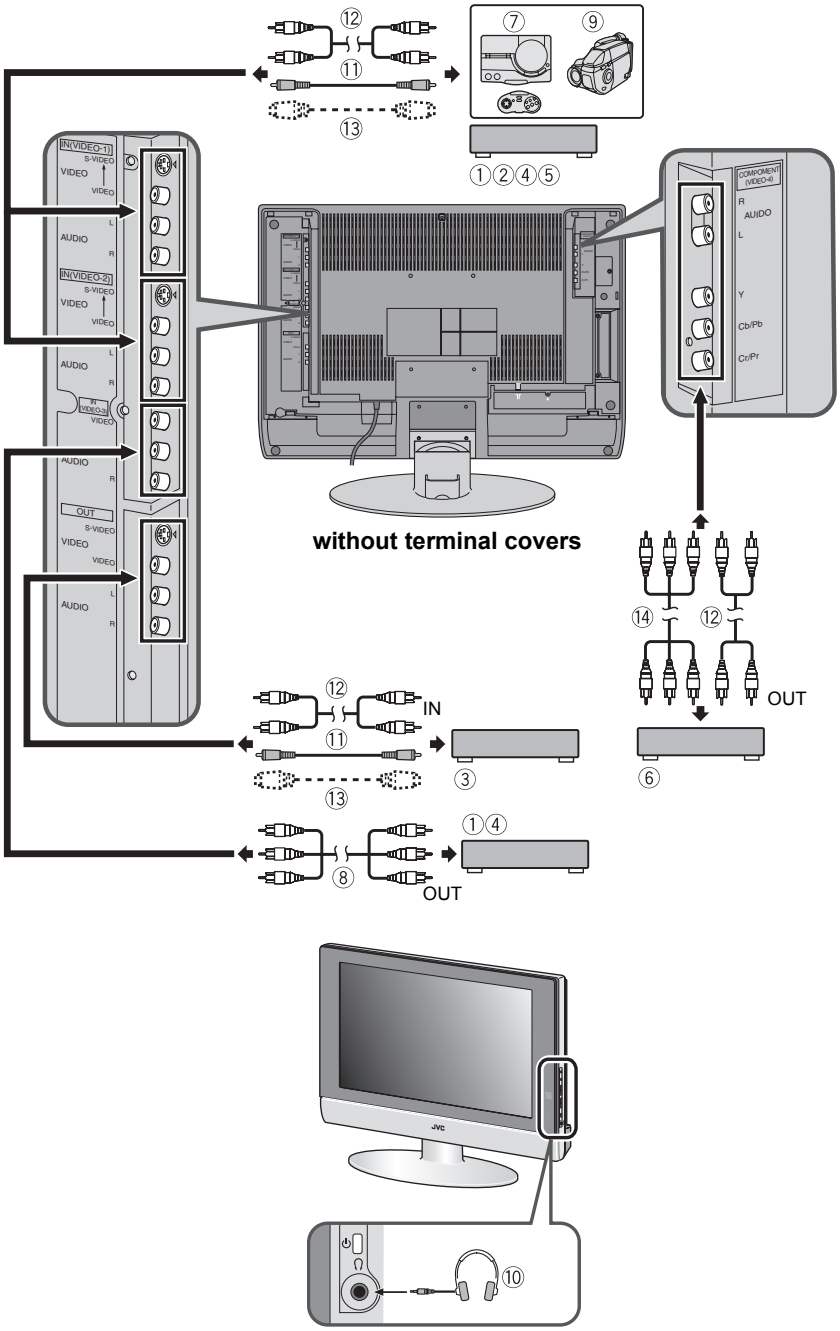
Connecting the external devices

Connect the devices to the TV, paying attention to the following connection diagram.

Before connecting anything:

- Read the manuals provided with the devices. Depending on the devices, the connection method may differ from the figure. In addition, the device settings may be changed depending on the connection method to secure proper operation.
- Turn off all the devices including the TV.
- The “Specifications” on page 34 contains the details of the VIDEO terminals. If you are connecting a device not listed in the following connection diagram, see the table to choose the best VIDEO terminal.
- Note that connecting cables are not supplied.

① VCR (composite signal)
② VCR (S-VIDEO signal; Y/C)
③ VCR for recording (composite signal)
④ DVD player (composite signal)
⑤ DVD player (S-VIDEO signal; Y/C)
⑥ DVD player (component video signals; Pr/Pb/Y)
⑦ TV game (composite signal/S-VIDEO signal; Y/C)
⑧ Audio/Video cable
⑨ Camcorder (composite signal/S-VIDEO signal; Y/C)
⑩ Headphones
⑪ Video cable
⑫ Audio cable
⑬ S-VIDEO cable
⑭ Component cable



■ Connecting devices to the OUT terminal

The signals of the images and sound you are currently viewing with this TV are output through the OUT terminal. By connecting a VCR to the OUT terminal, you can record the currently shown image and sound to that VCR. To do this, connect the VCR and OUT terminal following the steps below.

1 Connect the VIDEO or S-VIDEO in the OUT terminals and the VCR's VIDEO IN (video input) terminal with a video cable or an S-VIDEO cable

- No signal will output through the S-VIDEO terminal when you are not viewing images coming from the S-VIDEO input. In this case, use the VIDEO terminal instead of the S-VIDEO terminal.

2 Connect the AUDIO (L and R) in the OUT terminals and the VCR's AUDIO IN (audio L/R input) terminals with an audio cable

- When you turn off the TV, the signals from the OUT terminal are also turned off.
- No signal is output when VIDEO-4 is chosen.

■ Connecting headphones

Connect the headphones with a stereo mini-jack (of 3.5 mm in diameter) to the headphone jack at the TV.

- The headphone volume is adjusted with the "HEADPHONE" menu (see page 22).

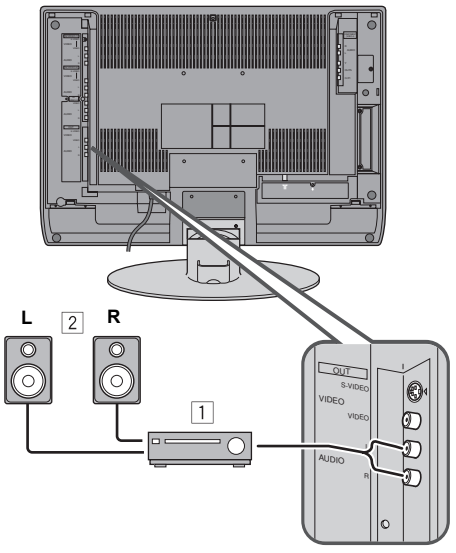
■ Connecting Speakers/Amplifier

See the Audio equipment connection diagram, then connect the audio equipment you desire to the TV.
You can use external front speakers to listen to the TV sound instead of the TV speakers.

Before connecting anything:

- Read the manuals provided with the amplifier and speakers.
- Turn the TV and amplifier off.
- To prevent magnetism from the speakers adversely affecting the TV screen, use magnetically-shielded speakers for the front speakers.
- Note that connecting cables are not supplied.

without terminal covers



1 Amplifier
2 External speakers (Magnetic-shielded type)

- The output from the AUDIO OUT terminal is not interrupted by headphone connection to the TV. You cannot cut the sound from the front speaker even if you connect a headphone to the TV.
- Adjust the volume of the external speakers with the amplifier.

CH/CC numbers

When you want to use the INSERT function on page 26, find the CH/CC number corresponding to the Channel number of the TV channel from this table.

US: The US channel numbers are the channel numbers used in the United States, Philippines, etc.
CCIR: The CCIR channel numbers are the channel numbers used in the Middle East, Southeast Asia, etc.
OIRT: The OIRT channel numbers are the channel numbers used in Eastern Europe, Russia, Vietnam, etc.
AUSTRALIA: The AUSTRALIA channel numbers are the channel numbers used in Australia, etc.

	Channel			
CH	US	CCIR	OIRT	AUSTRALIA
CH02	US-2	E2	R1	AU-0
CH03	US-3	E3		AU-1
CH04	US-4	E4	R2	AU-2
CH05	US-5	E5	R6	AU-6
CH06	US-6	E6	R7	AU-7
CH07	US-7	E7	R8	AU-8
CH08	US-8	E8	R9	AU-9
CH09	US-9	E9		
CH10	US-10	E10	R10	AU-10
CH11	US-11	E11	R11	AU-11
CH12	US-12	E12	R12	
CH13	US-13			
CH14	US-14, W+29			
CH15	US-15, W+30			
CH16	US-16, W+31			
CH17	US-17, W+32			
CH18	US-18, W+33			
CH19	US-19, W+34			
CH20	US-20, W+35			
CH21	US-21, W+36	E21		
CH22	US-22, W+37	E22		
CH23	US-23, W+38	E23		
CH24	US-24, W+39	E24		
CH25	US-25, W+40	E25		
CH26	US-26, W+41	E26		
CH27	US-27, W+42	E27		
CH28	US-28, W+43	E28		
CH29	US-29, W+44	E29		
CH30	US-30, W+45	E30		
CH31	US-31, W+46	E31		
CH32	US-32, W+47	E32		
CH33	US-33, W+48	E33		
CH34	US-34, W+49	E34		
CH35	US-35, W+50	E35		
CH36	US-36, W+51	E36		
CH37	US-37, W+52	E37		
CH38	US-38, W+53	E38		
CH39	US-39, W+54	E39		
CH40	US-40, W+55	E40		
CH41	US-41, W+56	E41		
CH42	US-42, W+57	E42		
CH43	US-43, W+58	E43		
CH44	US-44, W+59	E44		
CH45	US-45, W+60	E45		
CH46	US-46, W+61	E46		
CH47	US-47, W+62	E47		
CH48	US-48, W+63	E48		
CH49	US-49, W+64	E49		
CH50	US-50, W+65	E50		
CH51	US-51, W+66	E51		
CH52	US-52, W+67	E52		
CH53	US-53, W+68	E53		
CH54	US-54, W+69	E54		
CH55	US-55, W+70	E55		
CH56	US-56, W+71	E56		
CH57	US-57, W+72	E57		
CH58	US-58, W+73	E58		
CH59	US-59, W+74	E59		
CH60	US-60, W+75	E60		
CH61	US-61, W+76	E61		
CH62	US-62, W+77	E62		
CH63	US-63, W+78	E63		
CH64	US-64, W+79	E64		
CH65	US-65, W+80	E65		
CH66	US-66, W+81	E66		
CH67	US-67, W+82	E67		
CH68	US-68, W+83	E68		
CH69	US-69, W+84	E69		

	Channel			
CC	US	CCIR	OIRT	AUSTRALIA
CC01		S-1		AU-5
CC02		S-2		
CC03		S-3		
CC04		S-4		
CC05		S-5		
CC06		S-6		AU-5A
CC07		S-7		
CC08		S-8		
CC09		S-9		
CC10		S-10		
CC11		S-11		
CC12		S-12		
CC13		S-13		
CC14	A	S-14		
CC15	B	S-15		
CC16	C	S-16		
CC17	D	S-17		
CC18	E	S-18		
CC19	F	S-19		
CC20	G	S-20		
CC21	H	S-21		
CC22	I	S-22		
CC23	J	S-23		
CC24	K	S-24		
CC25	L	S-25		
CC26	M	S-26		
CC27	N	S-27		
CC28	O	S-28		
CC29	P	S-29		
CC30	Q	S-30		
CC31	R	S-31		
CC32	S	S-32		
CC33	T	S-33		
CC34	U	S-34		
CC35	V	S-35		
CC36	W	S-36		
CC37	W+1	S-37		
CC38	W+2	S-38		
CC39	W+3	S-39		
CC40	W+4	S-40		
CC41	W+5	S-41		
CC42	W+6			
CC43	W+7			
CC44	W+8			
CC45	W+9			
CC46	W+10			
CC47	W+11			
CC48	W+12			
CC49	W+13			
CC50	W+14			
CC51	W+15			
CC52	W+16			
CC53	W+17			
CC54	W+18			
CC55	W+19			
CC56	W+20			
CC57	W+21			
CC58	W+22			
CC59	W+23			
CC60	W+24			
CC61	W+25			
CC62	W+26			
CC63	W+27			
CC64	W+28			
CC75		X		
CC76		Y	R3	
CC77		Z	R4	AU-3
CC78		Z+1	R5	
CC79		Z+2		AU-4
CC95	A-5			
CC96	A-4			
CC97	A-3			
CC98	A-2			
CC99	A-1			

Troubleshooting

If a problem arises while you are using the TV, please read this "Troubleshooting" well before you request having the TV repaired. You may be able to fix it easily by yourself. For example, if the AC plug is disconnected from the AC outlet, or the TV aerial has problems, you may think there is a problem with the TV itself.

Important:

- This Troubleshooting guide only covers problems whose cause are not easy to determine. If a question arise when you are operating a function, read the page(s) corresponding to the operation of the function well, not this Troubleshooting guide.
- After you have followed the Troubleshooting description or the operating description of the functions concerned without any success, remove the AC plug from the AC outlet and request a repair of your TV. Do not attempt to repair the TV by yourself or remove the rear cover of the TV.

■ If you cannot turn on the TV

- Is the AC plug on the power cord from the TV connected to an AC outlet?
- Make sure to set the VCR/TV/DVD switch to the TV position. You cannot turn the TV on when the VCR/TV/DVD switch is set to the VCR or DVD position.

■ If you cannot turn off the TV

- Make sure to set the VCR/TV/DVD switch to the TV position. You cannot turn the TV off when the VCR/TV/DVD switch is set to the VCR or DVD position.

■ No picture/No sound

- Have you chosen a TV channel whose reception is extremely bad? In this case, the BLUE BACK function will be activated, the entire screen becomes blue, and the sound is muted. In spite of this, if you want to view the TV channel, follow the description "BLUE BACK" on page 23 to try to change the BLUE BACK function setting to OFF.
- Have you set the SPEAKER function to OFF? Follow the description "SPEAKER" on page 21 to confirm the SPEAKER function setting to try to solve the problem.
- If the SYSTEM setting for a TV channel is incorrect, it may prevent the sound from being issued. Follow the description "EDIT/MANUAL" on page 25 to use the MANUAL function to try to change the SYSTEM setting.

■ Poor picture

- If noise totally obscures the picture (snow), the aerial or aerial cable may have trouble. Check the following to try to solve the trouble:
  Has the TV and aerial been connected properly?
  Has the aerial cable been damaged?
  Is the aerial pointed to the right direction?
  Is the aerial itself faulty?
- If the TV or aerial receives interference from the other devices, stripes or noise may appear in the picture. Move such devices as an amplifier, personal computer, or a hair drier that can cause interference away from your TV, or try changing its location. If the aerial suffers interference from a radio tower or high-voltage wire, please contact your local dealer.
- If the TV receives interference from signal reflecting from mountains or building, double-pictures (ghosting) will occur. Try to change the aerial's direction or replace the antenna with the one with better directionality.
- Are your COLOUR SYSTEM settings for the TV channels correct? Follow the description "COLOUR SYSTEM" on page 20 to try to solve the trouble.
- Has COLOUR or BRIGHT been controlled properly? Follow the description "Picture Adjustment" on page 18 to try to adjust them properly.
- Videotaping teletext is not recommended because it may not record correctly.
- When viewing images from commercially available video software products, or videos from videotapes which have been recorded improperly, the top of the image may be distorted. This is due to the condition of the video signal, and not because of malfunction.

■ Poor sound

- Have you adjusted BASS or TREBLE properly? If not, follow the description "Sound Adjustment" on page 21 to try to adjust them properly.
- When the TV channel reception is poor, it can be hard to hear the stereo or bilingual sound. In this case, follow the description "STEREO / I • II" on page 21 to hear the sound more easily by changing it to a mono sound.

■ Operation disabled

- Have the batteries of the remote control become exhausted? Follow the description "Putting the batteries into the Remote control" on page 5 and replace them with new batteries to try to solve the problem.
- Have you attempted to use the remote control at the sides or rear of the TV or at a location more than seven meters apart from the TV location? Operate the remote control in the front of your TV or a location less than seven meters from your TV to try to solve the problem.
- When you are viewing a teletext programme, you cannot operate the menus. Press the ***TV*** button to return the teletext programme to the ordinary TV programme to try operating the menus.
- If the TV suddenly stops responding, disconnect the power cord of the TV from the AC outlet. Connect them to the AC outlet again to turn on the TV. If the TV returns to a normal state, it is not a failure.

■ Other concerns

- When the SLEEP TIMER function operates, the TV is automatically turned off. If the TV is turned off suddenly, try to press the ⏻/I (Standby) button to turn on the TV once again. At this time, if the TV resumes a normal state, there is no problem.
- When a WSS signal is included in the broadcast signal or the signal from an external device, or when the TV is receiving a control signal from an external device, the ZOOM mode will change automatically. When you want to return to the previous ZOOM mode, press the **ZOOM** button to choose the ZOOM mode again.
- It takes a short period of time from the time an operation such as changing channels is performed until an image is displayed. This is not a malfunction. This is the time required for the image to stabilize before it can be displayed.
- The TV may emit a crackling sound due to a sudden change in temperature. It does not matter if a picture or sound does not show any abnormality. If you hear crackling sounds frequently while you are viewing the TV, other causes may be assumed. For precautionary purposes, request your service technician to inspect it.
- In the twin pictures mode the sub-picture may disappear when the external device is operated. If this happens, press the ◑ button and display the sub-picture again.
- The headphone volume is adjusted with the "HEADPHONE" menu. It cannot be adjusted with the ◿ (volume) −/+ buttons.
- When TV SPEAKER in the "HEADPHONE" menu is ON, even if the headphones are connected, sound is emitted from the TV speaker. When you do not want to emit sound from the TV speaker, turn the setting OFF.
- The top of the TV and the screen may become hot during use but this has no affect on the performance of the TV. Make sure that the ventilation holes are not blocked.
- When the picture is unstable, the screen may become white for a moment. This happens when the signal which drives the liquid crystal is missing. This is not a fault.
- When a still image has been displayed for a long period, a faint residual image may remain on the screen for a short time after the power has been turned off or when another image is displayed. This is not a fault and the image will eventually disappear.

Specifications

Item \ Model	LT-Z32S2	LT-Z26S2
Broadcasting systems	B, G, I, D, K, K1, M	
Colour systems	PAL, SECAM, NTSC 3.58/4.43 MHz	
Channels and frequencies	VHF low channel (VL) =46.25 to 168.25 MHz VHF high channel (VH) =175.25 to 463.25 MHz UHF channel (U) =471.25 to 855.25 MHz • Receives cable channels in mid band (X to Z+2, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41).	
Sound-multiplex systems	A2 (B/G, D/K), NICAM (B/G, I, D/K) system	
Teletext systems	FLOF (Fastext), TOP, WST (World Standard System)	
Languages displayed by teletext	Please see the table in the description “Changing the TELETEXT LANGUAGE setting” on page 28.	
Power requirements	AC 110 to 240 V, 50/60 Hz	
Power consumption	177 W, Standby: 2.3 W	148 W, Standby: 2.8 W
Screen size	Viewable area 80.2 cm (measured diagonally)	Viewable area 66 cm (measured diagonally)
Display resolution	1280 × 768 (W-XGA)	
Audio output	Rated Power output: 10 W + 10 W	
Speakers	6.6 cm round × 2	
VIDEO-1 terminal	RCA connectors × 3, S-VIDEO connector × 1 • Video input, S-VIDEO (Y/C) input and Audio L/R inputs are available.	
VIDEO-2 terminal	RCA connectors × 3, S-VIDEO connector × 1 • Video input, S-VIDEO (Y/C) input and Audio L/R inputs are available.	
VIDEO-3 terminal	RCA connectors × 3 • Video input and Audio L/R inputs are available.	
VIDEO-4 terminal	RCA connectors × 5 • Component video (Pr, Pb, Y) inputs (625p, 525p, 1125i) and Audio L/R inputs are available. • 525p and 625p are progressive scanning signals. Some DVD players can output these signals. • 1125i is one of the new high-definition signals.	
OUT terminal	RCA connectors × 3, S-VIDEO connector × 1 • Video output, S-VIDEO (Y/C) output and Audio L/R outputs are available.	
Headphone jack	Stereo mini-jack (3.5 mm in diameter)	
Dimensions (W × H × D)	833 mm × 638 mm × 260 mm 833 mm × 569 mm × 97 mm (TV only)	703 mm × 560 mm × 260 mm 703 mm × 491 mm × 94 mm (TV only)
Weight	22 kg 19.2 kg (TV only)	19.0 kg 18.3 kg (TV only)
Accessories	Remote control unit × 1 (RM-C1808) AA/R6 dry cell battery × 2	

Design and specifications subject to change without notice.

Pictures displayed on the screen using this TV’s ZOOM functions should not be shown for any commercial or demonstration purpose in public places (cafes, hotels, etc.) without the consent of the owners of copyright of the original picture sources, as this constitutes an infringement of copyright.

ENGLISH

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0204-MK-CR-VP

JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-Z32S2,
LT-Z32S2/A,
LT-Z32S2/S,
LT-Z32S2S/H

BASIC CHASSIS
MK

Supplementary

Here is some information related to the exchange of CONTROL PWB in the LCD PANEL UNIT.
For details other than those described in this manual, please refer to the LT-Z32S2,LT-Z32S2/A,LT-Z32S2/S service manual (No.YA020, 2004/3) and LT-Z32S2S/H service manual (No.YA020B, 2004/4).

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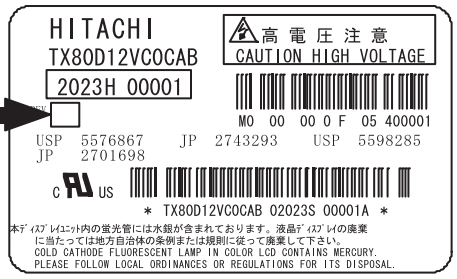
No.YA020C
2004/6

HOW TO DIFFERENTIATE LCD PANEL UNIT

Two types of LCD PANEL UNITS are used in this model. Make sure to confirm the parts No. of LCD PANEL UNIT before exchanging CONTROL PWB. As PARTS No. is not described on the LCD PANEL UNIT, differentiate two types by checking the RATING LABEL(Revision) fixed on the back of the LCD PANEL UNIT.

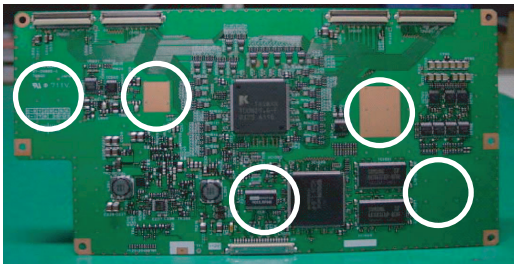
Revision described part

Revision	LCD PANEL UNIT PARTS NO.
C	QLD0304-001
D	QLD0304-002

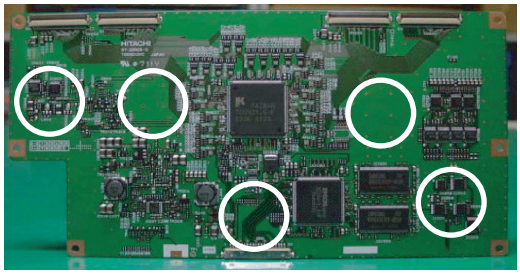


HOW TO DIFFERENTIATE CONTROL PWB

CONTROL PWB which is to be exchanged differ according to the PARTS No. of the LCD PANEL UNIT.
Two types of CONTROL PWBS can be differentiate by checking the parts as shown as below.



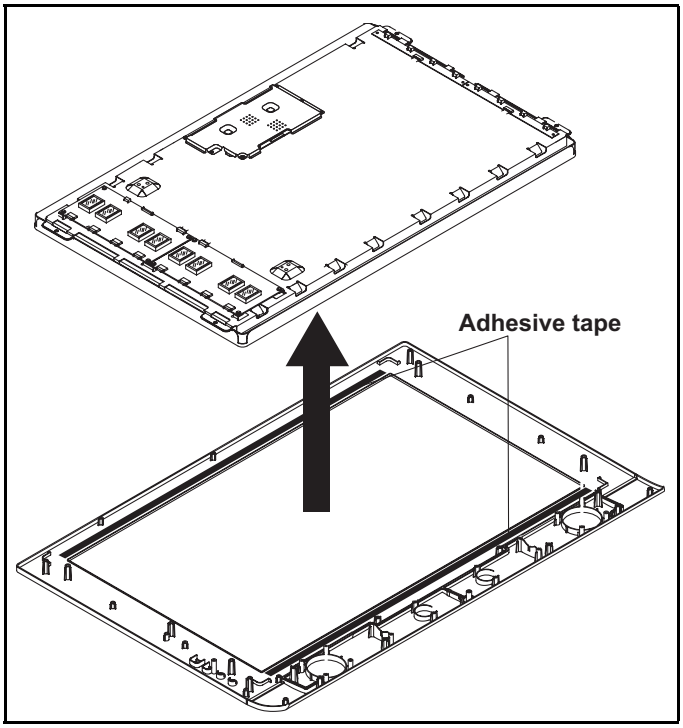
CONTORL PWB for QLD0304-001
(QLD0304-001TCON)



CONTORL PWB for QLD0304-002
(QLD0304-002TCON)

REMOVING THE LCD PANEL UNIT

The LCD PANEL is fixed to the FRONT PANEL (at the back side) by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT PANEL slowly.



CHANGING THE CONTROL PWB

CONFIRMATION PRIOR TO DISASSEMBLY

Before disassemble the LCD PANEL UNIT, confirm that there is no damage in the LCD PANEL UNIT (polarizer).

1. DISASSEMBLY OF LCD PANEL

For removing the LCD PANEL UNIT, see page 1-11 "3.1.10 REMOVING THE LCD PANEL UNIT" in LT-Z32S2,LT-Z32S2/A,LT-Z32S2/S service manual.

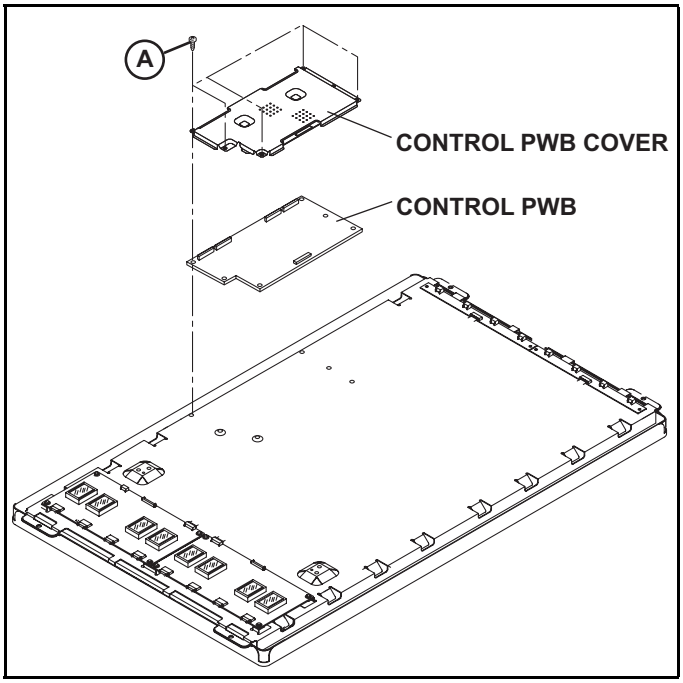
1.1 REMOVING THE CONTROL PWB

- Place the LCD PANEL with its backside facing upward. Be careful not to damage the surface of the screen.
  (1) Remove the 6 screws **[A]**, and remove the CONTROL PWB COVER.
  (2) Remove the claws in the connectors, and pull out to remove the FLEXIBLE WIRE.

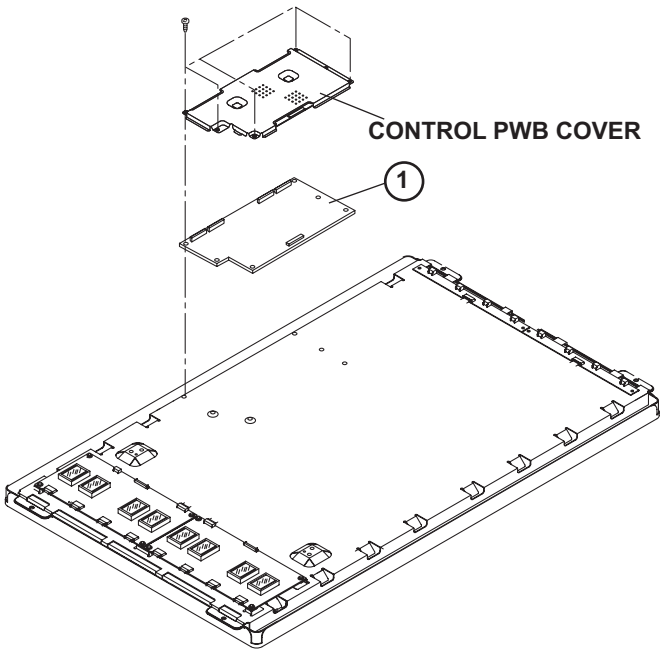
  NOTE:

  Be careful not to damage the FLEXIBLE WIRE. Especially during assembly procedure, be careful not to insert the FLEXIBLE WIRE in the LCD PANEL UNIT.

  (3) Remove the CONTROL PWB.



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

CONTROL PWB which is to be exchanged differ according to the PARTS No. of the LCD PANEL UNIT. Be sure to confirm the PARTS No. of the LCD PANEL UNIT without fail.

⚠	Ref. No.	Part No.	Part name	Description
⚠	1	QLD0304-001TCON	CONTROL PWB	For QLD0304-001
⚠	1	QLD0304-002TCON	CONTROL PWB	For QLD0304-002

* No parts other than a CONTROL PWB are supplied. Exchange the whole unit for other parts repair.

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